

[illegible]

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<210> 2173
<211> 122
<212> PRT
<213> Homo sapiens
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<400> 2173
Met Trp Gly Trp Gly Ser Leu Val Ser Ala Arg Gly Gly Trp Gly Val
  1             5             10             15
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Phe Ile Tyr Leu Tyr Met Gly Leu Tyr Ile Val Leu Trp Gly Met Gly
 20 25 30
 Glu Pro Ala Gly Gly Glu Asn Pro Pro Leu Ser Pro His Pro Pro Gly
 35 40 45
 Arg Ala Asn Val Lys Leu Leu Ile Phe Val Leu Tyr Ile Phe Tyr Ile
 50 55 60
 Asn Ile Ser Ile Phe Phe Leu Gln Asn Gln Phe Ile Asn Gly Arg Gly
 65 70 75 80
 Val Trp Gly Gly His Met Glu Leu Pro Leu Trp Gly Gly Pro Leu His
 85 90 95
 Tyr Pro Thr Tyr Arg Pro Phe Pro His Pro Pro Pro His Ser Pro Pro
 100 105 110
 Pro Gly Cys Asp Cys Cys Lys Met Gly Val
 115 120

<210> 2174
 <211> 613
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (507)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 2174
 Met Gly Ala Leu Arg Pro Thr Leu Leu Pro Pro Ser Leu Pro Leu Leu
 1 5 10 15
 Leu Leu Leu Met Leu Gly Met Gly Cys Trp Ala Arg Glu Val Leu Val
 20 25 30
 Pro Glu Gly Pro Leu Tyr Arg Val Ala Gly Thr Ala Val Ser Ile Ser
 35 40 45
 Cys Asn Val Thr Gly Tyr Glu Gly Pro Ala Gln Gln Asn Phe Glu Trp
 50 55 60
 Phe Leu Tyr Arg Pro Glu Ala Pro Asp Thr Ala Leu Gly Ile Val Ser
 65 70 75 80
 Thr Lys Asp Thr Gln Phe Ser Tyr Ala Val Phe Lys Ser Arg Val Val
 85 90 95
 Ala Gly Glu Val Gln Val Gln Arg Leu Gln Gly Asp Ala Val Val Leu
 100 105 110
 Lys Ile Ala Arg Leu Gln Ala Gln Asp Ala Gly Ile Tyr Glu Cys His
 115 120 125
 Thr Pro Ser Thr Asp Thr Arg Tyr Leu Gly Ser Tyr Ser Gly Lys Val

450 455 460
 Ser Val Arg Gly Gly Pro Pro Gly Leu Arg Leu Ala Ala Ser Trp Trp
 465 470 475 480
 Val Glu Arg Pro Glu Asp Gly Glu Leu Ser Ser Val Pro Ala Gln Leu
 485 490 495
 Val Gly Gly Val Gly Gln Asp Gly Val Ala Xaa Leu Gly Val Arg Pro
 500 505 510
 Gly Gly Gly Pro Val Ser Val Glu Leu Val Gly Pro Arg Ser His Arg
 515 520 525
 Leu Arg Leu His Ser Leu Gly Pro Glu Asp Glu Gly Val Tyr His Cys
 530 535 540
 Ala Pro Ser Ala Trp Val Gln His Ala Asp Tyr Ser Trp Tyr Gln Ala
 545 550 555 560
 Gly Ser Ala Arg Ser Gly Pro Val Thr Val Tyr Pro Tyr Met His Ala
 565 570 575
 Leu Asp Thr Leu Phe Val Pro Leu Leu Val Gly Thr Gly Val Ala Leu
 580 585 590
 Val Thr Gly Ala Thr Val Leu Gly Thr Ile Thr Cys Cys Phe Met Lys
 595 600 605
 Arg Leu Arg Lys Arg
 610

<210> 2175
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 2175
 Met Ala Trp Ala Val Thr Leu Ile Leu Ser Leu Ser Arg Ala Val Arg
 1 5 10 15
 Thr Gln Glu Val Pro Met Ala Leu Gln Ala His Ser Gly Ile Gln Leu
 20 25 30
 Ala Ser Arg Val Gly Leu Pro Gly Pro Trp Pro Glu Cys Ser Thr Leu
 35 40 45
 Ser Ser Arg Cys His Leu Ser Met Asp Ser Lys Val
 50 55 60

<210> 2176
 <211> 396
 <212> PRT
 <213> Homo sapiens

<400> 2176

Glu Leu Gln His Ser Ile Pro Leu Gly Pro Asn Val Leu Pro Val Cys
 325 330 335
 Leu Pro Asp Asn Glu Thr Leu Tyr Arg Ser Gly Leu Leu Gly Tyr Val
 340 345 350
 Ser Gly Phe Gly Met Glu Met Gly Trp Leu Thr Thr Glu Leu Lys Tyr
 355 360 365
 Ser Arg Leu Pro Val Ala Pro Arg Glu Ala Cys Asn Ala Trp Leu Gln
 370 375 380
 Lys Arg Gln Arg Pro Glu Lys Lys Lys Lys Lys Lys
 385 390 395

<210> 2177
 <211> 172
 <212> PRT
 <213> Homo sapiens

<400> 2177
 Gly Thr Arg Thr Glu Arg Asp Glu Leu Leu Lys Asp Leu Gln Gln Ser
 1 5 10 15
 Ile Ala Arg Glu Pro Ser Ala Pro Ser Ile Pro Thr Pro Ala Tyr Gln
 20 25 30
 Ser Leu Pro Ala Gly Gly His Ala Pro Thr Pro Pro Thr Pro Ala Pro
 35 40 45
 Arg Thr Met Pro Pro Thr Lys Pro Gln Pro Pro Ala Arg Pro Pro Pro
 50 55 60
 Pro Val Leu Pro Ala Asn Arg Ala Pro Ser Ala Thr Ala Pro Ser Pro
 65 70 75 80
 Val Gly Ala Gly Thr Ala Ala Pro Ala Pro Ser Gln Thr Pro Gly Ser
 85 90 95
 Ala Pro Pro Pro Gln Ala Gln Gly Pro Pro Tyr Pro Thr Tyr Pro Gly
 100 105 110
 Tyr Pro Gly Tyr Cys Gln Met Pro Met Pro Met Gly Tyr Asn Pro Tyr
 115 120 125
 Ala Tyr Gly Gln Tyr Asn Met Pro Tyr Pro Pro Val Tyr His Gln Ser
 130 135 140
 Pro Gly Gln Ala Pro Tyr Pro Gly Pro Gln Gln Pro Ser Tyr Pro Phe
 145 150 155 160
 Pro Gln Pro Pro Gln Gln Ser Tyr Tyr Pro Gln Gln
 165 170

<210> 2178
 <211> 142

<212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (111)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 2178
 Met His Gln Leu Leu Gln Leu Gln Arg Gln Glu Pro Cys Arg Leu Leu
 1 5 10 15
 Ser Pro Ser Pro Gln Pro Gly Leu His His Leu Cys Phe Gln Gln Ile
 20 25 30
 Glu Leu Leu Leu Leu Leu Leu His Leu Gln Trp Gly Leu Gly Leu Leu
 35 40 45
 Arg Gln Leu His His Lys Arg Leu Ala Gln Leu Leu Leu His Arg Arg
 50 55 60
 Arg Asp His Pro Ile Pro Pro Ile Gln Asp Ile Leu Gly Ile Ala Lys
 65 70 75 80
 Cys Pro Cys Pro Trp Ala Ile Ile Leu Met Arg Met Ala Ser Ile Ile
 85 90 95
 Cys His Ile His Gln Cys Ile Thr Arg Val Leu Asp Arg Leu Xaa Thr
 100 105 110
 Arg Asp Pro Ser Ser Leu His Thr Pro Ser Leu Ser Pro His Ser Ser
 115 120 125
 Leu Thr Ile His Ser Ser Asn Met Ser Ala Gln Gln Leu Ser
 130 135 140

<210> 2179
 <211> 868
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (194)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (309)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (550)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 2179
 Met Ala Thr Phe Ile Ser Val Gln Leu Lys Lys Thr Ser Glu Val Asp

1				5				10				15			
Leu	Ala	Lys	Pro	Leu	Val	Lys	Phe	Ile	Gln	Gln	Thr	Tyr	Pro	Ser	Gly
			20					25					30		
Gly	Glu	Glu	Gln	Ala	Gln	Tyr	Cys	Arg	Ala	Ala	Glu	Glu	Leu	Ser	Lys
		35					40					45			
Leu	Arg	Arg	Ala	Ala	Val	Gly	Arg	Pro	Leu	Asp	Lys	His	Glu	Gly	Ala
	50					55					60				
Leu	Glu	Thr	Leu	Leu	Arg	Tyr	Tyr	Asp	Gln	Ile	Cys	Ser	Ile	Glu	Pro
65					70					75					80
Lys	Phe	Pro	Phe	Ser	Glu	Asn	Gln	Ile	Cys	Leu	Thr	Phe	Thr	Trp	Lys
				85					90					95	
Asp	Ala	Phe	Asp	Lys	Gly	Ser	Leu	Phe	Gly	Gly	Ser	Val	Lys	Leu	Ala
			100					105					110		
Leu	Ala	Ser	Leu	Gly	Tyr	Glu	Lys	Ser	Cys	Val	Leu	Phe	Asn	Cys	Ala
		115					120					125			
Ala	Leu	Ala	Ser	Gln	Ile	Ala	Ala	Glu	Gln	Asn	Leu	Asp	Asn	Asp	Glu
	130					135					140				
Gly	Leu	Lys	Ile	Ala	Ala	Lys	His	Tyr	Gln	Phe	Ala	Ser	Gly	Ala	Phe
145					150					155					160
Leu	His	Ile	Lys	Glu	Thr	Val	Leu	Ser	Ala	Leu	Ser	Arg	Glu	Pro	Thr
				165					170					175	
Val	Asp	Ile	Ser	Pro	Asp	Thr	Val	Gly	Thr	Leu	Ser	Leu	Ile	Met	Leu
			180					185					190		
Ala	Xaa	Ala	Gln	Glu	Val	Phe	Phe	Leu	Lys	Ala	Thr	Arg	Asp	Lys	Met
		195					200					205			
Lys	Asp	Ala	Ile	Ile	Ala	Lys	Leu	Ala	Asn	Gln	Ala	Ala	Asp	Tyr	Phe
	210					215					220				
Gly	Asp	Ala	Phe	Lys	Gln	Cys	Gln	Tyr	Lys	Asp	Thr	Leu	Pro	Lys	Glu
225					230					235					240
Val	Phe	Pro	Val	Leu	Ala	Ala	Lys	His	Cys	Ile	Met	Gln	Ala	Asn	Ala
				245					250					255	
Glu	Tyr	His	Gln	Ser	Ile	Leu	Ala	Lys	Gln	Gln	Lys	Lys	Phe	Gly	Glu
			260					265					270		
Glu	Ile	Ala	Arg	Leu	Gln	His	Ala	Ala	Glu	Leu	Ile	Lys	Thr	Val	Ala
		275					280					285			
Ser	Arg	Tyr	Asp	Glu	Tyr	Val	Asn	Val	Lys	Asp	Phe	Ser	Asp	Lys	Ile
	290					295					300				
Asn	Arg	Ala	Leu	Xaa	Ala	Ala	Lys	Lys	Asp	Asn	Asp	Phe	Ile	Tyr	His
305					310					315					320
Asp	Arg	Val	Pro	Asp	Leu	Lys	Asp	Leu	Asp	Pro	Ile	Gly	Lys	Ala	Thr

325								330					335		
Leu	Val	Lys	Ser	Thr	Pro	Val	Asn	Val	Pro	Ile	Ser	Gln	Lys	Phe	Thr
340								345					350		
Asp	Leu	Phe	Glu	Lys	Met	Val	Pro	Val	Ser	Val	Gln	Gln	Ser	Leu	Ala
355								360					365		
Ala	Tyr	Asn	Gln	Arg	Lys	Ala	Asp	Leu	Val	Asn	Arg	Ser	Ile	Ala	Gln
370								375					380		
Met	Arg	Glu	Ala	Thr	Thr	Leu	Ala	Asn	Gly	Val	Leu	Ala	Ser	Leu	Asn
385								390					400		
Leu	Pro	Ala	Ala	Ile	Glu	Asp	Val	Ser	Gly	Asp	Thr	Val	Pro	Gln	Ser
405								410					415		
Ile	Leu	Thr	Lys	Ser	Arg	Ser	Val	Ile	Glu	Gln	Gly	Gly	Ile	Gln	Thr
420								425					430		
Val	Asp	Gln	Leu	Ile	Lys	Glu	Leu	Pro	Glu	Leu	Leu	Gln	Arg	Asn	Arg
435								440					445		
Glu	Ile	Leu	Asp	Glu	Ser	Leu	Arg	Leu	Leu	Asp	Glu	Glu	Glu	Ala	Thr
450								455					460		
Asp	Asn	Asp	Leu	Arg	Ala	Lys	Phe	Lys	Glu	Arg	Trp	Gln	Arg	Thr	Pro
465								470					475		
Ser	Asn	Glu	Leu	Tyr	Lys	Pro	Leu	Arg	Ala	Glu	Gly	Thr	Asn	Phe	Arg
485								490					495		
Thr	Val	Leu	Asp	Lys	Ala	Val	Gln	Ala	Asp	Gly	Gln	Val	Lys	Glu	Cys
500								505					510		
Tyr	Gln	Ser	His	Arg	Asp	Thr	Ile	Val	Leu	Leu	Cys	Lys	Pro	Glu	Pro
515								520					525		
Glu	Leu	Asn	Ala	Ala	Ile	Pro	Ser	Ala	Asn	Pro	Ala	Lys	Thr	Met	Gln
530								535					540		
Gly	Ser	Glu	Val	Val	Xaa	Val	Leu	Lys	Ser	Leu	Leu	Ser	Asn	Leu	Asp
545								550					555		
Glu	Val	Lys	Lys	Glu	Arg	Glu	Gly	Leu	Glu	Asn	Asp	Leu	Lys	Ser	Val
565								570					575		
Asn	Phe	Asp	Met	Thr	Ser	Lys	Phe	Leu	Thr	Ala	Leu	Ala	Gln	Asp	Gly
580								585					590		
Val	Ile	Asn	Glu	Glu	Ala	Leu	Ser	Val	Thr	Glu	Leu	Asp	Arg	Val	Tyr
595								600					605		
Gly	Gly	Leu	Thr	Thr	Lys	Val	Gln	Glu	Ser	Leu	Lys	Lys	Gln	Glu	Gly
610								615					620		
Leu	Leu	Lys	Asn	Ile	Gln	Val	Ser	His	Gln	Glu	Phe	Ser	Lys	Met	Lys
625								630					635		
Gln	Ser	Asn	Asn	Glu	Ala	Asn	Leu	Arg	Glu	Glu	Val	Leu	Lys	Asn	Leu

Val Ala Ala Val Thr Ser Lys Asn Tyr Asn Tyr Asn Gln His Ala Tyr
50 55 60

Pro Thr Ala Tyr Gly Gly Lys Tyr Ser Val Lys Thr Pro Ala Lys Gly
65 70 75 80

Gly Val Ser Pro Ser Ser Ser Ala Ser Arg Val Gln Pro Gly Leu Leu
85 90 95

Gln Trp Val Lys Phe Trp
100

<210> 2181
<211> 140
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2181
Met Phe Leu Phe Gly Gly Phe Leu Met Thr Leu Phe Gly Leu Phe Val
1 5 10 15

Ser Leu Val Phe Leu Gly Gln Ala Phe Thr Ile Met Leu Val Tyr Val
20 25 30

Trp Ser Arg Xaa Asn Pro Tyr Val Arg Met Asn Phe Phe Gly Leu Leu
35 40 45

Asn Phe Gln Ala Pro Phe Leu Pro Trp Val Leu Met Gly Phe Ser Leu
50 55 60

Leu Leu Gly Asn Ser Ile Ile Val Asp Leu Leu Gly Ile Ala Val Gly
65 70 75 80

His Ile Tyr Phe Phe Leu Glu Asp Val Phe Pro Asn Gln Pro Gly Gly
85 90 95

Ile Arg Ile Leu Lys Thr Pro Ser Ile Leu Lys Ala Ile Phe Asp Thr
100 105 110

Pro Asp Glu Asp Pro Asn Tyr Asn Pro Leu Pro Glu Glu Arg Pro Gly
115 120 125

Gly Phe Ala Trp Gly Glu Gly Gln Arg Leu Gly Gly
130 135 140

<210> 2182
<211> 156
<212> PRT
<213> Homo sapiens

Leu Phe Val Ser Leu Val Phe Leu Gly Gln Ala Phe Thr Ile Met Leu
 115 120 125
 Val Tyr Val Trp Ser Arg Arg Asn Pro Tyr Val Arg Met Asn Phe Phe
 130 135 140
 Gly Leu Leu Asn Phe Gln Ala Pro Phe Leu Pro Trp Val Leu Met Gly
 145 150 155 160
 Phe Ser Leu Leu Leu Gly Asn Ser Ile Ile Val Asp Leu Leu Gly Ile
 165 170 175
 Ala Val Gly His Ile Tyr Phe Phe Leu Glu Asp Val Phe Pro Asn Gln
 180 185 190
 Pro Gly Gly Ile Arg Ile Leu Lys Thr Pro Ser Ile Leu Lys Ala Ile
 195 200 205
 Phe Asp Thr Pro Asp Glu Asp Pro Asn Tyr Asn Pro Leu Pro Glu Glu
 210 215 220
 Arg Pro Gly Gly Phe Ala Trp Gly Glu Gly Gln Arg Leu Gly Gly
 225 230 235

<210> 2184
 <211> 132
 <212> PRT
 <213> Homo sapiens

<400> 2184
 Met Thr Leu Phe Gly Leu Phe Val Ser Leu Val Phe Leu Gly Gln Ala
 1 5 10 15
 Phe Thr Ile Met Leu Val Tyr Val Trp Ser Arg Arg Asn Pro Tyr Val
 20 25 30
 Arg Met Asn Phe Phe Gly Leu Leu Asn Phe Gln Ala Pro Phe Leu Pro
 35 40 45
 Trp Val Leu Met Gly Phe Ser Leu Leu Leu Gly Asn Ser Ile Ile Val
 50 55 60
 Asp Leu Leu Gly Ile Ala Val Gly His Ile Tyr Phe Phe Leu Glu Asp
 65 70 75 80
 Val Phe Pro Asn Gln Pro Gly Gly Ile Arg Ile Leu Lys Thr Pro Ser
 85 90 95
 Ile Leu Lys Ala Ile Phe Asp Thr Pro Asp Glu Asp Pro Asn Tyr Asn
 100 105 110
 Pro Leu Pro Glu Glu Arg Pro Gly Gly Phe Ala Trp Gly Glu Gly Gln
 115 120 125
 Arg Leu Gly Gly
 130

<210> 2185
 <211> 339
 <212> PRT
 <213> Homo sapiens

<400> 2185
 Met Ser Trp Ser Thr Phe Leu Leu Ala Glu Ala Cys Gly Phe Thr Gly
 1 5 10 15
 Val Val Ala Val Leu Phe Cys Gly Ile Thr Gln Ala His Tyr Thr Tyr
 20 25 30
 Asn Asn Leu Ser Val Glu Ser Arg Ser Arg Thr Lys Gln Leu Phe Glu
 35 40 45
 Val Leu His Phe Leu Ala Glu Asn Phe Ile Phe Ser Tyr Met Gly Leu
 50 55 60
 Ala Leu Phe Thr Phe Gln Lys His Val Phe Ser Pro Ile Phe Ile Ile
 65 70 75 80
 Gly Ala Phe Val Ala Ile Phe Leu Gly Arg Ala Ala His Ile Tyr Pro
 85 90 95
 Leu Ser Phe Phe Leu Asn Leu Gly Arg Arg His Lys Ile Gly Trp Asn
 100 105 110
 Phe Gln His Met Met Met Phe Ser Gly Leu Arg Gly Ala Met Ala Phe
 115 120 125
 Ala Leu Ala Ile Arg Asp Thr Ala Ser Tyr Ala Arg Gln Met Met Phe
 130 135 140
 Thr Thr Thr Leu Leu Ile Val Phe Phe Thr Val Trp Ile Ile Gly Gly
 145 150 155 160
 Gly Thr Thr Pro Met Leu Ser Trp Leu Asn Ile Arg Val Gly Val Asp
 165 170 175
 Pro Asp Gln Asp Pro Pro Pro Asn Asn Asp Ser Phe Gln Val Leu Gln
 180 185 190
 Gly Asp Gly Pro Asp Ser Ala Arg Gly Asn Arg Thr Lys Gln Glu Ser
 195 200 205
 Ala Trp Ile Phe Arg Leu Trp Tyr Ser Phe Asp His Asn Tyr Leu Lys
 210 215 220
 Pro Ile Leu Thr His Ser Gly Pro Pro Leu Thr Thr Thr Leu Pro Ala
 225 230 235 240
 Trp Cys Gly Leu Leu Ala Arg Cys Leu Thr Ser Pro Gln Val Tyr Asp
 245 250 255
 Asn Gln Glu Pro Leu Arg Glu Glu Asp Ser Asp Phe Ile Leu Thr Glu
 260 265 270
 Gly Asp Leu Thr Leu Thr Tyr Gly Asp Ser Thr Val Thr Ala Asn Gly
 275 280 285

Ser Ser Ser Ser His Thr Ala Ser Thr Ser Leu Glu Gly Ser Arg Arg
 290 295 300

Thr Lys Ser Ser Ser Glu Glu Val Leu Glu Arg Asp Leu Gly Met Gly
 305 310 315 320

Asp Gln Lys Val Ser Ser Arg Gly Thr Arg Leu Val Phe Pro Leu Glu
 325 330 335

Asp Asn Ala

<210> 2186

<211> 339

<212> PRT

<213> Homo sapiens

<400> 2186

Met Ser Trp Ser Thr Phe Leu Leu Ala Glu Ala Cys Gly Phe Thr Gly
 1 5 10 15

Val Val Ala Val Leu Phe Cys Gly Ile Thr Gln Ala His Tyr Thr Tyr
 20 25 30

Asn Asn Leu Ser Val Glu Ser Arg Ser Arg Thr Lys Gln Leu Phe Glu
 35 40 45

Val Leu His Phe Leu Ala Glu Asn Phe Ile Phe Ser Tyr Met Gly Leu
 50 55 60

Ala Leu Phe Thr Phe Gln Lys His Val Phe Ser Pro Ile Phe Ile Ile
 65 70 75 80

Gly Ala Phe Val Ala Ile Phe Leu Gly Arg Ala Ala His Ile Tyr Pro
 85 90 95

Leu Ser Phe Phe Leu Asn Leu Gly Arg Arg His Lys Ile Gly Trp Asn
 100 105 110

Phe Gln His Met Met Met Phe Ser Gly Leu Arg Gly Ala Met Ala Phe
 115 120 125

Ala Leu Ala Ile Arg Asp Thr Ala Ser Tyr Ala Arg Gln Met Met Phe
 130 135 140

Thr Thr Thr Leu Leu Ile Val Phe Phe Thr Val Trp Ile Ile Gly Gly
 145 150 155 160

Gly Thr Thr Pro Met Leu Ser Trp Leu Asn Ile Arg Val Gly Val Asp
 165 170 175

Pro Asp Gln Asp Pro Pro Pro Asn Asn Asp Ser Phe Gln Val Leu Gln
 180 185 190

Gly Asp Gly Pro Asp Ser Ala Arg Gly Asn Arg Thr Lys Gln Glu Ser
 195 200 205

Ala	Trp	Ile	Phe	Arg	Leu	Trp	Tyr	Ser	Phe	Asp	His	Asn	Tyr	Leu	Lys
210						215					220				
Pro	Ile	Leu	Thr	His	Ser	Gly	Pro	Pro	Leu	Thr	Thr	Thr	Leu	Pro	Ala
225					230					235					240
Trp	Cys	Gly	Leu	Leu	Ala	Arg	Cys	Leu	Thr	Ser	Pro	Gln	Val	Tyr	Asp
				245					250					255	
Asn	Gln	Glu	Pro	Leu	Arg	Glu	Glu	Asp	Ser	Asp	Phe	Ile	Leu	Thr	Glu
			260					265					270		
Gly	Asp	Leu	Thr	Leu	Thr	Tyr	Gly	Asp	Ser	Thr	Val	Thr	Ala	Asn	Gly
		275					280					285			
Ser	Ser	Ser	Ser	His	Thr	Ala	Ser	Thr	Ser	Leu	Glu	Gly	Ser	Arg	Arg
	290					295					300				
Thr	Lys	Ser	Ser	Ser	Glu	Glu	Val	Leu	Glu	Arg	Asp	Leu	Gly	Met	Gly
305					310					315					320
Asp	Gln	Lys	Val	Ser	Ser	Arg	Gly	Thr	Arg	Leu	Val	Phe	Pro	Leu	Glu
				325					330					335	

Asp Asn Ala

<210> 2187
 <211> 509
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (168)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (198)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (199)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (244)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

Ser	Val	Glu	Gln	Asn	Asp	Met	Leu	Arg	Lys	Val	Thr	Phe	Asp	Pro	Glu
		115					120					125			
Val	Phe	Phe	Asn	Ile	Leu	Leu	Pro	Pro	Ile	Ile	Phe	His	Ala	Gly	Tyr
	130					135					140				
Ser	Leu	Lys	Lys	Arg	His	Phe	Phe	Arg	Asn	Leu	Gly	Ser	Ile	Leu	Ala
145					150					155					160
Tyr	Ala	Phe	Leu	Gly	Thr	Ala	Xaa	Ser	Cys	Phe	Ile	Ile	Gly	Asn	Leu
				165					170					175	
Met	Tyr	Gly	Val	Val	Lys	Leu	Met	Lys	Ile	Met	Gly	Gln	Leu	Ser	Asp
			180					185					190		
Lys	Phe	Tyr	Tyr	Thr	Xaa	Xaa	Leu	Phe	Phe	Gly	Ala	Ile	Ile	Ser	Ala
		195					200					205			
Thr	Asp	Pro	Val	Thr	Val	Leu	Ala	Ile	Phe	Asn	Glu	Leu	His	Ala	Asp
	210					215					220				
Val	Asp	Leu	Tyr	Ala	Leu	Leu	Phe	Gly	Glu	Ser	Val	Leu	Asn	Asp	Ala
225					230					235					240
Val	Ala	Ile	Xaa	Leu	Xaa	Ser	Ser	Ile	Val	Ala	Tyr	Gln	Pro	Ala	Gly
				245					250					255	
Leu	Asn	Thr	His	Ala	Phe	Asp	Ala	Ala	Ala	Phe	Phe	Lys	Ser	Val	Gly
			260					265					270		
Ile	Phe	Leu	Gly	Ile	Phe	Ser	Gly	Ser	Phe	Thr	Met	Gly	Ala	Val	Thr
		275					280					285			
Gly	Val	Val	Thr	Ala	Xaa	Val	Thr	Lys	Phe	Thr	Lys	Xaa	His	Xaa	Phe
	290					295					300				
Pro	Leu	Leu	Glu	Thr	Ala	Leu	Phe	Phe	Leu	Met	Ser	Trp	Ser	Thr	Phe
305					310					315					320
Leu	Leu	Ala	Glu	Ala	Cys	Gly	Phe	Thr	Gly	Val	Val	Ala	Val	Leu	Phe
				325					330					335	
Cys	Gly	Ile	Thr	Gln	Ala	His	Tyr	Thr	Tyr	Asn	Asn	Leu	Ser	Val	Glu
			340					345					350		
Ser	Arg	Ser	Arg	Thr	Lys	Gln	Leu	Phe	Glu	Val	Leu	His	Phe	Leu	Ala
		355					360					365			
Glu	Asn	Phe	Ile	Phe	Ser	Tyr	Met	Gly	Leu	Ala	Leu	Phe	Thr	Phe	Gln
	370					375					380				
Lys	His	Val	Phe	Ser	Pro	Ile	Phe	Ile	Ile	Gly	Ala	Phe	Val	Ala	Ile
385					390					395					400
Phe	Leu	Gly	Arg	Ala	Ala	His	Ile	Tyr	Pro	Leu	Ser	Phe	Phe	Leu	Asn
				405					410					415	
Leu	Gly	Arg	Arg	His	Lys	Ile	Gly	Trp	Asn	Phe	Gln	His	Met	Met	Met
			420					425					430		

Phe Ser Gly Leu Arg Gly Ala Met Ala Phe Ala Leu Ala Ile Arg Asp
 435 440 445
 Thr Ala Ser Tyr Ala Arg Gln Met Met Phe Thr Thr Thr Leu Leu Ile
 450 455 460
 Val Phe Phe Thr Val Trp Ile Ile Gly Gly Gly Thr Thr Pro Met Leu
 465 470 475 480
 Ser Trp Leu Asn Ile Arg Val Gly Val Asp Pro Asp Xaa Asp Pro Pro
 485 490 495
 Pro Xaa Xaa Asp Ser Phe Ala Phe Xaa Thr Glu Thr Ala
 500 505

<210> 2188
 <211> 146
 <212> PRT
 <213> Homo sapiens

<400> 2188
 Met Thr Met Arg Ser Leu Leu Arg Thr Pro Phe Leu Cys Gly Leu Leu
 1 5 10 15
 Trp Ala Phe Cys Ala Pro Gly Ala Arg Ala Glu Glu Pro Ala Ala Ser
 20 25 30
 Phe Ser Gln Pro Gly Ser Met Gly Leu Asp Lys Asn Thr Val His Asp
 35 40 45
 Gln Glu His Ile Met Glu His Leu Glu Gly Val Ile Asn Lys Pro Glu
 50 55 60
 Ala Glu Met Ser Pro Gln Glu Leu Gln Leu His Tyr Phe Lys Met His
 65 70 75 80
 Asp Tyr Asp Gly Asn Asn Leu Leu Asp Gly Leu Glu Leu Ser Thr Ala
 85 90 95
 Ile Thr His Val His Lys Glu Glu Gly Ser Glu Gln Ala Pro Leu Met
 100 105 110
 Ser Glu Asp Glu Leu Ile Asn Ile Ile Asp Gly Val Leu Arg Asp Asp
 115 120 125
 Asp Lys Asn Asn Asp Gly Tyr Ile Asp Tyr Ala Glu Phe Ala Lys Ser
 130 135 140
 Leu Gln
 145

<210> 2189
 <211> 530
 <212> PRT
 <213> Homo sapiens

Pro	Leu	Ser	Val	Thr	Trp	Ser	Glu	Ser	Gly	Gln	Gly	Val	Thr	Ala	Arg	180	185	190
Asn	Phe	Pro	Pro	Ser	Gln	Asp	Ala	Ser	Gly	Asp	Leu	Tyr	Thr	Thr	Ser	195	200	205
Ser	Gln	Leu	Thr	Leu	Pro	Ala	Thr	Gln	Cys	Leu	Ala	Gly	Lys	Ser	Val	210	215	220
Thr	Cys	His	Val	Lys	His	Tyr	Thr	Asn	Pro	Ser	Gln	Asp	Val	Thr	Val	225	230	235
Pro	Cys	Pro	Val	Pro	Ser	Thr	Pro	Pro	Thr	Pro	Ser	Pro	Ser	Thr	Pro	245	250	255
Pro	Thr	Pro	Ser	Pro	Ser	Cys	Cys	His	Pro	Arg	Leu	Ser	Leu	His	Arg	260	265	270
Pro	Ala	Leu	Glu	Asp	Leu	Leu	Leu	Gly	Ser	Glu	Ala	Asn	Leu	Thr	Cys	275	280	285
Thr	Leu	Thr	Gly	Leu	Arg	Asp	Ala	Ser	Gly	Val	Thr	Phe	Thr	Trp	Thr	290	295	300
Pro	Ser	Ser	Gly	Lys	Ser	Ala	Val	Gln	Gly	Pro	Pro	Asp	Arg	Asp	Leu	305	310	315
Cys	Gly	Cys	Tyr	Ser	Val	Ser	Ser	Val	Leu	Pro	Gly	Cys	Ala	Glu	Pro	325	330	335
Trp	Asn	His	Gly	Lys	Thr	Phe	Thr	Cys	Thr	Ala	Ala	Tyr	Pro	Glu	Ser	340	345	350
Lys	Thr	Pro	Leu	Thr	Ala	Thr	Leu	Ser	Lys	Ser	Gly	Asn	Thr	Phe	Arg	355	360	365
Pro	Glu	Val	His	Leu	Leu	Pro	Pro	Pro	Ser	Glu	Glu	Leu	Ala	Leu	Asn	370	375	380
Glu	Leu	Val	Thr	Leu	Thr	Cys	Leu	Ala	Arg	Gly	Phe	Ser	Pro	Lys	Asp	385	390	395
Val	Leu	Val	Arg	Trp	Leu	Gln	Gly	Ser	Gln	Glu	Leu	Pro	Arg	Glu	Lys	405	410	415
Tyr	Leu	Thr	Trp	Ala	Ser	Arg	Gln	Glu	Pro	Ser	Gln	Gly	Thr	Thr	Thr	420	425	430
Phe	Ala	Val	Thr	Ser	Ile	Leu	Arg	Val	Ala	Ala	Glu	Asp	Trp	Lys	Lys	435	440	445
Gly	Asp	Thr	Phe	Ser	Cys	Met	Val	Gly	His	Glu	Ala	Leu	Pro	Leu	Ala	450	455	460
Phe	Thr	Gln	Lys	Thr	Ile	Asp	Arg	Leu	Ala	Gly	Lys	Pro	Thr	His	Val	465	470	475
Asn	Val	Ser	Val	Val	Met	Ala	Xaa	Val	Xaa	Gly	Pro	Cys	Xaa	Xaa	Ala	485	490	495

Ala Arg Leu Ser Pro Pro Leu Asn Xaa Leu His Ala Pro Pro Lys Lys
500 505 510

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
515 520 525

Lys Lys
530

<210> 2190
<211> 265
<212> PRT
<213> Homo sapiens

<400> 2190
Met Gly Gly Gln Val Ala Gly Val Tyr Ala Ala Tyr Tyr Pro Ser Asp
1 5 10 15

Val Ser Ser Leu Cys Leu Val Cys Pro Ala Gly Leu Gln Tyr Ser Thr
20 25 30

Asp Asn Gln Phe Val Gln Arg Leu Lys Glu Leu Gln Gly Ser Ala Ala
35 40 45

Val Glu Lys Ile Pro Leu Ile Pro Ser Thr Pro Glu Glu Met Ser Glu
50 55 60

Met Leu Gln Leu Cys Ser Tyr Val Arg Phe Lys Val Pro Gln Gln Ile
65 70 75 80

Leu Gln Gly Leu Val Asp Val Arg Ile Pro His Asn Asn Phe Tyr Arg
85 90 95

Lys Leu Phe Leu Glu Ile Val Ser Glu Lys Ser Arg Tyr Ser Leu His
100 105 110

Gln Asn Met Asp Lys Ile Lys Val Pro Thr Gln Ile Ile Trp Gly Lys
115 120 125

Gln Asp Ala Gly Ala Gly Cys Val Trp Gly Arg His Val Gly Gln Val
130 135 140

Asn Cys Gln Leu Pro Gly Gly Ala Ser Gly Lys Leu Trp Ala Leu Ser
145 150 155 160

Ser Asp Gly Lys Thr Gln Glu Asp Ser Gln Ala His Asn Arg Leu Phe
165 170 175

Ser Phe Cys Ala Gln His Arg Gln Gln Gln Glu Ala Gly Leu Arg Pro
180 185 190

Arg Leu Gln Pro Ala Phe Cys Thr Gln His Leu Leu Pro Ser Pro Lys
195 200 205

Ser Asp Ala Ala Thr Thr Leu Arg Asp Pro Ala Pro Asn Ala Val Gly
210 215 220

Ala Pro Val Thr Leu Arg Lys Pro Val Pro Tyr Pro Trp Tyr Pro Arg

Ile Phe Arg Pro Lys Lys Leu Pro Thr Thr Thr Glu Gln Pro Val Thr
 145 150 155 160
 Thr Thr Phe Pro Val Thr Thr Gly Leu Lys Pro Thr Val Ala Leu Cys
 165 170 175
 Gln Gln Lys Cys Arg Arg Thr Gly Thr Leu Glu Gly Asn Tyr Cys Ser
 180 185 190
 Ser Asp Phe Val Leu Ala Gly Thr Val Ile Thr Thr Ile Thr Arg Asp
 195 200 205
 Gly Ser Leu His Ala Thr Val Ser Ile Ile Asn Ile Tyr Lys Glu Gly
 210 215 220
 Asn Leu Ala Ile Gln Gln Ala Gly Lys Asn Met Ser Ala Arg Leu Thr
 225 230 235 240
 Val Val Cys Lys Gln Cys Pro Leu Leu Arg Arg Gly Leu Asn Tyr Ile
 245 250 255
 Ile Met Gly Gln Val Gly Glu Asp Gly Arg Gly Lys Ile Met Pro Asn
 260 265 270
 Ser Phe Ile Met Met Phe Lys Thr Lys Asn Gln Lys Leu Leu Asp Ala
 275 280 285
 Leu Lys Asn Lys Gln Cys
 290

<210> 2194
 <211> 487
 <212> PRT
 <213> Homo sapiens

<400> 2194
 Met Lys His Leu Trp Phe Phe Leu Leu Leu Val Ala Ala Pro Arg Trp
 1 5 10 15
 Val Leu Ser Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys
 20 25 30
 Pro Ser Glu Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile
 35 40 45
 Ser Ser Gly Gly His Tyr Trp Ser Trp Ile Arg Gln His Pro Gly Lys
 50 55 60
 Gly Leu Glu Trp Ile Gly Tyr Ile Ser Tyr Asn Gly Val Thr Tyr Tyr
 65 70 75 80
 Asn Pro Ser Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Gln
 85 90 95
 Asn Gln Phe Ser Leu Arg Leu Ser Ser Val Thr Ala Ala Asp Thr Ala
 100 105 110
 Val Tyr Tyr Cys Ala Lys Asp His Arg Ala Thr Arg Asp Gly Tyr Gln

115	120	125														
Leu	Glu	Tyr	Arg	Gly	Phe	Asp	Tyr	Trp	Gly	Gln	Gly	Ile	Leu	Val	Thr	
130						135					140					
Val	Ser	Ser	Ala	Ser	Pro	Thr	Ser	Pro	Lys	Val	Phe	Pro	Leu	Ser	Leu	
145					150					155					160	
Asp	Ser	Thr	Pro	Gln	Asp	Gly	Asn	Val	Val	Val	Ala	Cys	Leu	Val	Gln	
				165					170					175		
Gly	Phe	Phe	Pro	Gln	Glu	Pro	Leu	Ser	Val	Thr	Trp	Ser	Glu	Ser	Gly	
			180					185					190			
Gln	Asn	Val	Thr	Ala	Arg	Asn	Phe	Pro	Pro	Ser	Gln	Asp	Ala	Ser	Gly	
		195					200					205				
Asp	Leu	Tyr	Thr	Thr	Ser	Ser	Gln	Leu	Thr	Leu	Pro	Ala	Thr	Gln	Cys	
	210					215					220					
Pro	Asp	Gly	Lys	Ser	Val	Thr	Cys	His	Val	Lys	His	Tyr	Thr	Asn	Pro	
225					230					235					240	
Ser	Gln	Asp	Val	Thr	Val	Pro	Cys	Pro	Val	Pro	Pro	Pro	Pro	Pro	Cys	
				245					250						255	
Cys	His	Pro	Arg	Leu	Ser	Leu	His	Arg	Pro	Ala	Leu	Glu	Asp	Leu	Leu	
			260					265					270			
Leu	Gly	Ser	Glu	Ala	Asn	Leu	Thr	Cys	Thr	Leu	Thr	Gly	Leu	Arg	Asp	
		275					280					285				
Ala	Ser	Gly	Ala	Thr	Phe	Thr	Trp	Thr	Pro	Ser	Ser	Gly	Lys	Ser	Ala	
	290					295					300					
Val	Gln	Gly	Pro	Pro	Glu	Arg	Asp	Leu	Cys	Gly	Cys	Tyr	Ser	Val	Ser	
305					310					315					320	
Ser	Val	Leu	Pro	Gly	Cys	Ala	Gln	Pro	Trp	Asn	His	Gly	Glu	Thr	Phe	
				325					330					335		
Thr	Cys	Thr	Ala	Ala	His	Pro	Glu	Leu	Lys	Thr	Pro	Leu	Thr	Ala	Asn	
			340					345					350			
Ile	Thr	Lys	Ser	Gly	Asn	Thr	Phe	Arg	Pro	Glu	Val	His	Leu	Leu	Pro	
		355					360					365				
Pro	Pro	Ser	Glu	Glu	Leu	Ala	Leu	Asn	Glu	Leu	Val	Thr	Leu	Thr	Cys	
	370					375					380					
Leu	Ala	Arg	Gly	Phe	Ser	Pro	Lys	Asp	Val	Leu	Val	Arg	Trp	Leu	Gln	
385					390					395					400	
Gly	Ser	Gln	Glu	Leu	Pro	Arg	Glu	Lys	Tyr	Leu	Thr	Trp	Ala	Ser	Arg	
				405					410					415		
Gln	Glu	Pro	Ser	Gln	Gly	Thr	Thr	Thr	Phe	Ala	Val	Thr	Ser	Ile	Leu	
			420					425					430			
Arg	Val	Ala	Ala	Glu	Asp	Trp	Lys	Lys	Gly	Asp	Thr	Phe	Ser	Cys	Met	

435 440 445
Val Gly His Glu Ala Leu Pro Leu Ala Phe Thr Gln Lys Thr Ile Asp
450 455 460
Arg Leu Ala Gly Lys Pro Thr His Val Asn Val Ser Val Val Met Ala
465 470 475 480
Glu Val Asp Gly Thr Cys Tyr
485

<210> 2195
<211> 189
<212> PRT
<213> Homo sapiens

<400> 2195
Met Gly Gly Gln Val Ala Gly Val Tyr Ala Ala Tyr Tyr Pro Ser Asp
1 5 10 15
Val Ser Ser Leu Cys Leu Val Cys Pro Ala Gly Leu Gln Tyr Ser Thr
20 25 30
Asp Asn Gln Phe Val Gln Arg Leu Lys Glu Leu Gln Gly Ser Ala Ala
35 40 45
Val Glu Lys Ile Pro Leu Ile Pro Ser Thr Pro Glu Glu Met Ser Glu
50 55 60
Met Leu Gln Leu Cys Ser Tyr Val Arg Phe Lys Val Pro Gln Gln Ile
65 70 75 80
Leu Gln Gly Leu Val Asp Val Arg Ile Pro His Asn Asn Phe Tyr Arg
85 90 95
Lys Leu Phe Leu Glu Ile Val Ser Glu Lys Ser Arg Tyr Ser Leu His
100 105 110
Gln Asn Met Asp Lys Ile Lys Val Pro Thr Gln Ile Ile Trp Gly Lys
115 120 125
Gln Asp Gln Val Leu Asp Val Ser Gly Ala Asp Met Leu Ala Lys Ser
130 135 140
Ile Ala Asn Cys Gln Val Glu Leu Leu Glu Asn Cys Gly His Ser Val
145 150 155 160
Val Met Glu Arg Pro Arg Lys Thr Ala Lys Leu Ile Ile Asp Phe Leu
165 170 175
Ala Ser Val His Asn Thr Asp Asn Asn Lys Lys Leu Asp
180 185

<210> 2196
<211> 298
<212> PRT

<213> Homo sapiens

<400> 2196

Met	Lys	Thr	Leu	Gln	Ser	Thr	Leu	Leu	Leu	Leu	Leu	Val	Pro	Leu			
1				5				10					15				
Ile	Lys	Pro	Ala	Pro	Pro	Thr	Gln	Gln	Asp	Ser	Arg	Ile	Ile	Tyr	Asp		
			20					25					30				
Tyr	Gly	Thr	Asp	Asn	Phe	Glu	Glu	Ser	Ile	Phe	Ser	Gln	Asp	Tyr	Glu		
			35				40					45					
Asp	Lys	Tyr	Leu	Asp	Gly	Lys	Asn	Ile	Lys	Glu	Lys	Glu	Thr	Val	Ile		
	50					55					60						
Ile	Pro	Asn	Glu	Lys	Ser	Leu	Gln	Leu	Gln	Lys	Asp	Glu	Ala	Ile	Thr		
65					70					75					80		
Pro	Leu	Pro	Pro	Lys	Lys	Glu	Asn	Asp	Glu	Met	Pro	Thr	Cys	Leu	Leu		
				85					90					95			
Cys	Val	Cys	Leu	Ser	Gly	Ser	Val	Tyr	Cys	Glu	Glu	Val	Asp	Ile	Asp		
			100					105					110				
Ala	Val	Pro	Pro	Leu	Pro	Lys	Glu	Ser	Ala	Tyr	Leu	Tyr	Ala	Arg	Phe		
		115					120					125					
Asn	Lys	Ile	Lys	Lys	Leu	Thr	Ala	Lys	Asp	Phe	Ala	Asp	Ile	Pro	Asn		
	130					135					140						
Leu	Arg	Arg	Leu	Asp	Phe	Thr	Gly	Asn	Leu	Ile	Glu	Asp	Ile	Glu	Asp		
145				150					155					160			
Gly	Thr	Phe	Ser	Lys	Leu	Ser	Leu	Leu	Glu	Glu	Leu	Ser	Leu	Ala	Glu		
				165					170					175			
Asn	Gln	Leu	Leu	Lys	Leu	Pro	Val	Leu	Pro	Pro	Lys	Leu	Thr	Leu	Phe		
			180					185					190				
Asn	Ala	Lys	Tyr	Asn	Lys	Ile	Lys	Ser	Arg	Gly	Ile	Lys	Ala	Asn	Ala		
		195					200					205					
Phe	Lys	Lys	Leu	Asn	Asn	Leu	Thr	Phe	Leu	Tyr	Leu	Asp	His	Asn	Ala		
	210					215				220							
Leu	Glu	Ser	Val	Pro	Leu	Asn	Leu	Pro	Glu	Ser	Leu	Arg	Val	Ile	His		
225					230				235					240			
Leu	Gln	Phe	Asn	Asn	Ile	Ala	Ser	Ile	Thr	Asp	Asp	Thr	Phe	Cys	Lys		
				245					250					255			
Ala	Asn	Asp	Thr	Ser	Tyr	Ile	Arg	Asp	Arg	Ile	Glu	Glu	Ile	Arg	Leu		
			260					265					270				
Glu	Gly	Asn	Pro	Ile	Val	Leu	Gly	Lys	His	Pro	Asn	Ser	Phe	Ile	Cys		
		275					280					285					
Leu	Lys	Arg	Leu	Pro	Ile	Gly	Ser	Tyr	Phe								
	290					295											

<210> 2197
 <211> 298
 <212> PRT
 <213> Homo sapiens

<400> 2197
 Met Lys Thr Leu Gln Ser Thr Leu Leu Leu Leu Leu Leu Val Pro Leu
 1 5 10 15
 Ile Lys Pro Ala Pro Pro Thr Gln Gln Asp Ser Arg Ile Ile Tyr Asp
 20 25 30
 Tyr Gly Thr Asp Asn Phe Glu Glu Ser Ile Phe Ser Gln Asp Tyr Glu
 35 40 45
 Asp Lys Tyr Leu Asp Gly Lys Asn Ile Lys Glu Lys Glu Thr Val Ile
 50 55 60
 Ile Pro Asn Glu Lys Ser Leu Gln Leu Gln Lys Asp Glu Ala Ile Thr
 65 70 75 80
 Pro Leu Pro Pro Lys Lys Glu Asn Asp Glu Met Pro Thr Cys Leu Leu
 85 90 95
 Cys Val Cys Leu Ser Gly Ser Val Tyr Cys Glu Glu Val Asp Ile Asp
 100 105 110
 Ala Val Pro Pro Leu Pro Lys Glu Ser Ala Tyr Leu Tyr Ala Arg Phe
 115 120 125
 Asn Lys Ile Lys Lys Leu Thr Ala Lys Asp Phe Ala Asp Ile Pro Asn
 130 135 140
 Leu Arg Arg Leu Asp Phe Thr Gly Asn Leu Ile Glu Asp Ile Glu Asp
 145 150 155 160
 Gly Thr Phe Ser Lys Leu Ser Leu Leu Glu Glu Leu Ser Leu Ala Glu
 165 170 175
 Asn Gln Leu Leu Lys Leu Pro Val Leu Pro Pro Lys Leu Thr Leu Phe
 180 185 190
 Asn Ala Lys Tyr Asn Lys Ile Lys Ser Arg Gly Ile Lys Ala Asn Ala
 195 200 205
 Phe Lys Lys Leu Asn Asn Leu Thr Phe Leu Tyr Leu Asp His Asn Ala
 210 215 220
 Leu Glu Ser Val Pro Leu Asn Leu Pro Glu Ser Leu Arg Val Ile His
 225 230 235 240
 Leu Gln Phe Asn Asn Ile Ala Ser Ile Thr Asp Asp Thr Phe Cys Lys
 245 250 255
 Ala Asn Asp Thr Ser Tyr Ile Arg Asp Arg Ile Glu Glu Ile Arg Leu
 260 265 270
 Glu Gly Asn Pro Ile Val Leu Gly Lys His Pro Asn Ser Phe Ile Cys

Tyr	Phe	Ala	Arg	Asp 165	Cys	His	His	Leu	Gly 170	Ile	Gln	Asn	Asn	Phe	Asp 175
Tyr	Lys	Arg	Phe 180	Ile	Lys	Phe	Ala	Arg 185	Val	Cys	Glu	Val	Asp 190	Asn	Glu
Leu	Arg	Ile 195	Cys	Ala	Arg	Asp	Lys 200	Glu	Val	Gly	Asn	Leu 205	Tyr	Asp	Met
Phe 210	His	Thr	Arg	Asn	Ser	Leu 215	His	Arg	Arg	Ala	Tyr 220	Gln	His	Lys	Val
Gly 225	Asn	Ile	Ile	Asp	Thr 230	Met	Ile	Thr	Asp	Ala 235	Phe	Leu	Glu	Ala	Asp 240
Asp	Tyr	Ile	Glu	Ile 245	Thr	Gly	Ala	Gly	Gly 250	Lys	Lys	Tyr	Arg	Ile 255	Ser
Thr	Ala	Ile	Asp 260	Asp	Met	Glu	Ala	Tyr 265	Thr	Lys	Leu	Thr	Asp 270	Asn	Ile
Phe	Leu	Glu 275	Ile	Leu	Tyr	Ser	Thr 280	Asp	Pro	Lys	Leu	Lys 285	Asp	Ala	Arg
Glu	Ile 290	Leu	Lys	Gln	Ile	Glu 295	Tyr	Arg	Asn	Leu	Phe 300	Lys	Tyr	Val	Gly
Glu 305	Thr	Gln	Pro	Thr	Gly 310	Gln	Ile	Lys	Ile 315	Lys	Arg	Glu	Asp	Tyr	Glu 320
Ser	Leu	Pro	Lys	Glu 325	Val	Ala	Ser	Ala	Lys 330	Pro	Lys	Val	Leu	Leu 335	Asp
Val	Lys	Leu	Lys 340	Ala	Glu	Asp	Phe	Ile 345	Val	Asp	Val	Ile	Asn 350	Met	Asp
Tyr	Gly	Met 355	Gln	Glu	Lys	Asn	Pro 360	Ile	Asp	His	Val	Ser 365	Phe	Tyr	Cys
Lys	Thr 370	Ala	Pro	Asn	Arg	Ala 375	Ile	Arg	Ile	Thr	Lys 380	Asn	Gln	Val	Ser
Gln 385	Leu	Leu	Pro	Glu	Lys 390	Phe	Ala	Glu	Gln	Leu 395	Ile	Arg	Val	Tyr	Cys 400
Lys	Lys	Val	Asp	Arg 405	Lys	Ser	Leu	Tyr	Ala 410	Ala	Arg	Gln	Tyr	Phe 415	Val
Gln	Trp	Cys	Ala 420	Asp	Arg	Asn	Phe	Thr 425	Lys	Pro	Gln	Asp	Gly 430	Asp	Val
Ile	Ala	Pro	Leu	Ile	Thr	Pro	Gln 440	Lys	Lys	Glu	Trp	Asn 445	Asp	Ser	Thr
Ser	Val 450	Gln	Asn	Pro	Thr	Arg 455	Leu	Arg	Glu	Ala	Ser 460	Lys	Ser	Arg	Val
Gln 465	Leu	Phe	Lys	Asp	Asp 470	Pro	Met								

195	200	205
Gly His Gly Pro Phe Ser His Met Phe Asp Gly Arg Phe Ile Pro Leu 210 215 220		
Ala Arg Pro Glu Val Lys Trp Thr His Glu Gln Gly Ser Val Met Met 225 230 235 240		
Phe Glu His Leu Ile Asn Ser Asn Gly Ile Lys Pro Val Met Glu Gln 245 250 255		
Tyr Gly Leu Ile Pro Glu Glu Asp Ile Cys Phe Ile Lys Glu Gln Ile 260 265 270		
Val Gly Pro Leu Glu Ser Pro Val Glu Asp Ser Leu Trp Pro Tyr Lys 275 280 285		
Gly Arg Pro Glu Asn Lys Ser Phe Leu Tyr Glu Ile Val Ser Asn Lys 290 295 300		
Arg Asn Gly Ile Asp Val Asp Lys Trp Asp Tyr Phe Ala Arg Asp Cys 305 310 315 320		
His His Leu Gly Ile Gln Asn Asn Phe Asp Tyr Lys Arg Phe Ile Lys 325 330 335		
Phe Ala Arg Val Cys Glu Val Asp Asn Glu Leu Arg Ile Cys Ala Arg 340 345 350		
Xaa Xaa Glu Val Gly Asn Leu Tyr Asp Met Xaa His Thr Arg Asn Ser 355 360 365		
Leu His Arg Arg Ala Tyr Gln His Lys Val Gly Asn Ile Ile Asp Thr 370 375 380		
Met Ile Thr Asp Ala Phe Leu Lys Ala Asp Asp Tyr Ile Glu Ile Thr 385 390 395 400		
Gly Ala Gly Gly Lys Lys Tyr Arg Ile Ser Thr Ala Ile Asp Asp Met 405 410 415		
Glu Ala Tyr Thr Lys Leu Thr Asp Asn Ile Phe Leu Glu Ile Leu Tyr 420 425 430		
Ser Thr Asp Pro Lys Leu Lys Asp Ala Arg Glu Ile Leu Lys Gln Ile 435 440 445		
Glu Tyr Arg Asn Leu Phe Lys Tyr Val Gly Glu Thr Gln Pro Thr Gly 450 455 460		
Gln Ile Lys Ile Lys Arg Glu Asp Tyr Glu Ser Leu Pro Lys Glu Val 465 470 475 480		
Ala Ser Ala Lys Pro Lys Val Leu Leu Asp Val Lys Leu Lys Ala Glu 485 490 495		
Asp Phe Ile Val Asp Val Ile Asn Met Asp Tyr Gly Met Gln Glu Lys 500 505 510		
Asn Pro Ile Asp His Val Ser Phe Tyr Cys Lys Thr Ala Pro Asn Arg		

Asn Val Val Ile Phe Asp Thr Val Ile Thr Asn Gln Glu Glu Pro Tyr
 130 135 140
 Gln Asn His Ser Gly Arg Phe Val Cys Thr Val Pro Gly Tyr Tyr Tyr
 145 150 155 160
 Phe Thr Phe Gln Val Leu Ser Gln Trp Glu Ile Cys Leu Ser Ile Val
 165 170 175
 Ser Ser Ser Arg Gly Gln Val Arg Arg Ser Leu Gly Phe Cys Asp Thr
 180 185 190
 Thr Asn Lys Gly Leu Phe Gln Val Val Ser Gly Gly Met Val Leu Gln
 195 200 205
 Leu Gln Gln Gly Asp Gln Val Trp Val Glu Lys Asp Pro Lys Lys Gly
 210 215 220
 His Ile Tyr Gln Gly Ser Glu Ala Asp Ser Val Phe Ser Gly Phe Leu
 225 230 235 240
 Ile Phe Pro Ser Ala
 245

<210> 2202
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 2202
 Met Gly Val Asn Lys Val Leu Phe Thr Phe Phe Phe Phe Ser Ser Leu
 1 5 10 15
 Leu Asp Gly Val Gly Thr Ser His Ser Leu Ala Ser Phe Pro His Thr
 20 25 30

<210> 2203
 <211> 245
 <212> PRT
 <213> Homo sapiens

<400> 2203
 Met Glu Gly Pro Arg Gly Trp Leu Val Leu Cys Val Leu Ala Ile Ser
 1 5 10 15
 Leu Ala Ser Met Val Thr Glu Asp Leu Cys Arg Ala Pro Asp Gly Lys
 20 25 30
 Lys Gly Glu Ala Gly Arg Pro Gly Arg Arg Gly Arg Pro Gly Leu Lys
 35 40 45
 Gly Glu Gln Gly Glu Pro Gly Ala Pro Gly Ile Arg Thr Gly Ile Gln
 50 55 60

Lys Val Gly Tyr Pro Gly Pro Ser Gly Pro Leu Gly Ala Arg Gly Ile
85 90 95

Pro Gly Ile Lys Gly Thr Lys Gly Ser Pro Gly Asn Ile Lys Asp Gln
100 105 110

Pro Arg Pro Ala Phe Ser Ala Ile Arg Arg Asn Pro Pro Met Gly Gly
115 120 125

Asn Val Val Ile Phe Asp Thr Val Ile Thr Asn Gln Glu Glu Pro Tyr
130 135 140

Gln Asn His Ser Gly Arg Phe Val Cys Thr Val Pro Gly Tyr Tyr Tyr
145 150 155 160

Phe Thr Phe Gln Val Leu Ser Gln Trp Glu Ile Cys Leu Ser Ile Val
165 170 175

Ser Ser Ser Arg Gly Gln Val Arg Arg Ser Leu Gly Phe Cys Asp Thr
180 185 190

Thr Asn Lys Gly Leu Phe Gln Val Val Ser Gly Gly Met Val Leu Gln
195 200 205

Leu Gln Gln Gly Asp Gln Val Trp Val Glu Lys Asp Pro Lys Lys Gly
210 215 220

His Ile Tyr Gln Gly Ser Glu Ala Asp Ser Val Phe Ser Gly Phe Leu
225 230 235 240

Ile Phe Pro Ser Ala
245

<210> 2205
<211> 245
<212> PRT
<213> Homo sapiens

<400> 2205
Met Glu Gly Pro Arg Gly Trp Leu Val Leu Cys Val Leu Ala Ile Ser
1 5 10 15

Leu Ala Ser Met Val Thr Glu Asp Leu Cys Arg Ala Pro Asp Gly Lys
20 25 30

Lys Gly Glu Ala Gly Arg Pro Gly Arg Arg Gly Arg Pro Gly Leu Lys
35 40 45

Gly Glu Gln Gly Glu Pro Gly Ala Pro Gly Ile Arg Thr Gly Ile Gln
50 55 60

Gly Leu Lys Gly Asp Gln Gly Glu Pro Gly Pro Ser Gly Asn Pro Gly
65 70 75 80

Lys Val Gly Tyr Pro Gly Pro Ser Gly Pro Leu Gly Ala Arg Gly Ile
85 90 95

Pro Gly Ile Lys Gly Thr Lys Gly Ser Pro Gly Asn Ile Lys Asp Gln

Asn Val Val Ile Phe Asp Thr Val Ile Thr Asn Gln Glu Glu Pro Tyr
 130 135 140
 Gln Asn His Ser Gly Arg Phe Val Cys Thr Val Pro Gly Tyr Tyr Tyr
 145 150 155 160
 Phe Thr Phe Gln Val Leu Ser Gln Trp Glu Ile Cys Leu Ser Ile Val
 165 170 175
 Ser Ser Ser Arg Gly Gln Val Arg Arg Ser Leu Gly Phe Cys Asp Thr
 180 185 190
 Thr Asn Lys Gly Leu Phe Gln Val Val Ser Gly Gly Met Val Leu Gln
 195 200 205
 Leu Gln Gln Gly Asp Gln Val Trp Val Glu Lys Asp Pro Lys Lys Gly
 210 215 220
 His Ile Tyr Gln Gly Ser Glu Ala Asp Ser Val Phe Ser Gly Phe Leu
 225 230 235 240
 Ile Phe Pro Ser Ala
 245

<210> 2207

<211> 229

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2207

Met Glu Gly Pro Arg Gly Trp Leu Val Leu Cys Val Leu Ala Ile Ser
 1 5 10 15

Leu Ala Ser Met Val Thr Glu Asp Leu Cys Arg Ala Pro Asp Gly Lys
 20 25 30

Lys Gly Glu Ala Gly Arg Pro Gly Arg Arg Gly Arg Pro Gly Xaa Lys
 35 40 45

Xaa Leu Lys Gly Asp Gln Gly Glu Pro Gly Pro Ser Gly Asn Pro Gly
 50 55 60

Lys Val Gly Tyr Pro Gly Pro Ser Gly Pro Leu Gly Ala Arg Gly Ile
 65 70 75 80

Pro Gly Ile Lys Gly Thr Lys Gly Ser Pro Gly Asn Ile Lys Asp Gln
 85 90 95

Pro Arg Pro Ala Phe Ser Ala Ile Arg Arg Asn Pro Pro Met Gly Gly
 100 105 110
 Asn Val Val Ile Phe Asp Thr Val Ile Thr Asn Gln Glu Glu Pro Tyr
 115 120 125
 Gln Asn His Ser Gly Arg Phe Val Cys Thr Val Pro Gly Tyr Tyr Tyr
 130 135 140
 Phe Thr Phe Gln Val Leu Ser Gln Trp Glu Ile Cys Leu Ser Ile Val
 145 150 155 160
 Ser Ser Ser Arg Gly Gln Val Arg Arg Ser Leu Gly Phe Cys Asp Thr
 165 170 175
 Thr Asn Lys Gly Leu Phe Gln Val Val Ser Gly Gly Met Val Leu Gln
 180 185 190
 Leu Gln Gln Gly Asp Gln Val Trp Val Glu Lys Asp Pro Lys Lys Gly
 195 200 205
 His Ile Tyr Gln Gly Ser Glu Ala Asp Ser Val Phe Ser Gly Phe Leu
 210 215 220
 Ile Phe Pro Ser Ala
 225

<210> 2208

<211> 207

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2208

Met Asp Val Gly Pro Ser Ser Leu Pro His Leu Gly Leu Lys Leu Leu
 1 5 10 15

Leu Leu Leu Leu Leu Leu Pro Leu Arg Gly Gln Ala Asn Thr Gly Cys
 20 25 30

Tyr Gly Ile Pro Gly Met Pro Gly Leu Pro Gly Ala Pro Gly Lys Asp
 35 40 45

Gly 50	Tyr	Asp	Gly	Leu	Pro	Gly 55	Pro	Lys	Gly	Glu	Pro 60	Gly	Ile	Pro	Ala
Ile 65	Pro	Gly	Ile	Arg	Gly 70	Pro	Lys	Gly	Gln	Xaa 75	Gly	Xaa	Ala	Glu	Ile 80
Pro	Val	Ser	Val	His 85	Gly	His	Ser	Ala	Asp 90	Pro	Pro	Ala	Pro	Cys 95	Thr
Gln	Gln	Pro	Asp 100	Gln	Ile	Gln	Arg	Gly 105	Pro	His	Gln	Pro	Ala 110	Glu	Xaa
Tyr	Asp	Thr 115	Ser	Thr	Gly	Lys	Phe 120	Thr	Cys	Lys	Val	Pro 125	Gly	Leu	Tyr
Tyr 130	Phe	Val	Tyr	His	Ala	Ser 135	His	Thr	Ala	Asn	Leu 140	Cys	Val	Leu	Leu
Tyr 145	Arg	Ser	Gly	Val 150	Lys	Val	Val	Thr	Phe	Cys 155	Gly	His	Thr	Ser	Lys 160
Thr	Asn	Gln	Val	Asn 165	Ser	Gly	Gly	Val	Leu 170	Leu	Arg	Leu	Gln	Val 175	Gly
Glu	Glu	Val	Trp 180	Leu	Ala	Val	Asn	Asp 185	Tyr	Tyr	Asp	Met	Val 190	Gly	Ile
Gln	Gly	Ser 195	Asp	Ser	Val	Phe	Ser 200	Gly	Phe	Leu	Leu	Phe 205	Pro	Asp	

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<210> 2209
<211> 235
<212> PRT
<213> Homo sapiens
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<400> 2209
Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
  1                    5                      10                      15

Leu Arg Gly Ala Arg Cys Asp Met Gln Met Thr Gln Ser Pro Ser Ser
                20                      25                      30

Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Thr Ser
          35                      40                      45

Gln Ser Ile Gly Lys Phe Leu Asn Trp Tyr Gln Gln Lys Pro Gly Gln
  50                      55                      60

Ala Pro Lys Leu Leu Ile Ser Gly Ala Ser Ile Leu Gln Thr Gly Val
  65                      70                      75                      80

Pro Ser Arg Phe Ser Gly Ser Gly Ser Ala Thr Tyr Phe Thr Leu Thr
                85                      90                      95

Ile Asn Asp Leu His Pro Glu Asp Ser Ala Thr Tyr Tyr Cys Gln Gln
          100                      105                      110

Asp Tyr Thr Thr Pro Leu Phe Gly Gln Gly Thr Lys Val Glu Ile Lys

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1470

Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln
 130 135 140
 Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr
 145 150 155 160
 Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser
 165 170 175
 Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr
 180 185 190
 Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys
 195 200 205
 His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro
 210 215 220
 Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
 225 230

<210> 2211
 <211> 206
 <212> PRT
 <213> Homo sapiens

<400> 2211
 Met Asp Val Gly Pro Ser Ser Leu Pro His Leu Gly Leu Lys Leu Leu
 1 5 10 15
 Leu Leu Leu Leu Leu Leu Pro Leu Arg Gly Gln Ala Asn Thr Gly Cys
 20 25 30
 Tyr Gly Ile Pro Gly Met Pro Gly Leu Pro Gly Ala Pro Gly Lys Asp
 35 40 45
 Gly Tyr Asp Gly Leu Pro Gly Pro Lys Gly Glu Pro Gly Ile Pro Ala
 50 55 60
 Ile Pro Gly Ile Arg Gly Pro Lys Gly Arg Tyr Lys Gln Lys Phe Gln
 65 70 75 80
 Ser Val Phe Thr Val Thr Arg Gln Thr His Gln Pro Pro Ala Pro Asn
 85 90 95
 Ser Leu Ile Arg Phe Asn Ala Val Leu Thr Asn Pro Gln Gly Asp Tyr
 100 105 110
 Asp Thr Ser Thr Gly Lys Phe Thr Cys Lys Val Pro Gly Leu Tyr Tyr
 115 120 125
 Phe Val Tyr His Ala Ser His Thr Ala Asn Leu Cys Val Leu Leu Tyr
 130 135 140
 Arg Ser Gly Val Lys Val Val Thr Phe Cys Gly His Thr Ser Lys Thr
 145 150 155 160
 Asn Gln Val Asn Ser Gly Gly Val Leu Leu Arg Leu Gln Val Gly Glu

	165		170		175
Glu Val Trp	Leu Ala Val Asn Asp	Tyr Tyr Asp Met Val Gly	Ile Gln		
	180	185	190		
Gly Ser Asp	Ser Val Phe Ser Gly Phe Leu Leu Phe	Pro Asp			
	195	200	205		
<210> 2212					
<211> 208					
<212> PRT					
<213> Homo sapiens					
<400> 2212					
Met Asp Val Gly	Pro Ser Ser Leu Pro His Leu Gly	Leu Lys Leu Leu			
1	5	10	15		
Leu Leu Leu	Leu Leu Leu Pro Leu Arg Gly	Gln Ala Asn Thr Gly	Cys		
	20	25	30		
Tyr Gly Ile	Pro Gly Met Pro Gly Leu Pro Gly	Ala Pro Gly Lys Asp			
	35	40	45		
Gly Tyr Asp	Gly Leu Pro Gly Pro Lys Gly Glu	Pro Gly Ile Pro Ala			
	50	55	60		
Ile Pro Gly	Ile Arg Gly Pro Lys Gly Gln Lys Gly	Glu Pro Gly Leu			
	65	70	75		80
Pro Gly His	Pro Gly Lys Asn Gly Pro Met Gly	Pro Pro Gly Met Pro			
	85	90	95		
Gly Val Pro	Gly Pro Met Gly Ile Pro Gly Glu	Pro Gly Glu Glu Gly			
	100	105	110		
Arg Tyr Lys	Gln Lys Phe Gln Ser Val Phe Thr	Val Thr Arg Gln Thr			
	115	120	125		
His Gln Pro	Pro Ala Pro Asn Ser Leu Ile Arg	Phe Asn Ala Val Leu			
	130	135	140		
Thr Asn Pro	Gln Glu Ile Met Thr Arg Ala Leu	Ala Ser Ser Pro Ala			
	145	150	155		160
Lys Ser Pro	Ala Ser Thr Thr Leu Ser Thr Thr	Arg Arg Ile Gln Pro			
	165	170	175		
Thr Cys Ala	Cys Cys Cys Thr Ala Ala Ala	Ser Lys Trp Ser Pro Ser			
	180	185	190		
Val Ala Thr	Arg Pro Lys Pro Ile Arg Ser Thr	Arg Ala Val Cys Cys			
	195	200	205		

<210> 2213
 <211> 263
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (112)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 2213
 Met Cys Leu Leu Gly Gly Leu Ser Ala Pro Pro Leu Leu Leu Leu Pro
 1 5 10 15
 Leu Leu Pro Leu Leu Leu Cys Pro Pro Thr Xaa Gln Gly Asp Cys Ser
 20 25 30
 Phe Pro Pro Glu Leu Pro Asn Ala Ile Gln Ser Val Gly Asp Gln Gln
 35 40 45
 Ser Phe Pro Glu Lys Phe Thr Val Thr Tyr Lys Cys Lys Glu Gly Phe
 50 55 60
 Val Lys Val Pro Gly Lys Ala Asp Ser Val Val Cys Leu Asn Asn Lys
 65 70 75 80
 Trp Ser Glu Val Ala Glu Phe Cys Asn Arg Ser Cys Asp Val Pro Thr
 85 90 95
 Arg Leu Gln Phe Ala Ser Leu Lys Lys Ser Phe Thr Lys Gln Asn Xaa
 100 105 110
 Phe Pro Val Gly Ser Val Val Glu Tyr Glu Cys Arg Pro Gly Tyr Gln
 115 120 125
 Arg Asp His Leu Leu Ser Gly Lys Leu Thr Cys Leu Leu Asn Phe Thr
 130 135 140
 Trp Ser Lys Pro Asp Glu Phe Cys Lys Arg Lys Ser Cys Pro Asn Pro
 145 150 155 160
 Gly Asp Leu Arg His Gly His Val Asn Ile Pro Thr Asp Ile Leu Tyr
 165 170 175
 Ala Ala Val Ile His Phe Ser Cys Asn Lys Gly Tyr Arg Leu Val Gly
 180 185 190
 Ala Ala Ser Ser Tyr Cys Ser Ile Val Asn Asp Asp Val Gly Trp Ser
 195 200 205
 Asp Pro Leu Pro Glu Cys Gln Glu Ile Phe Cys Pro Glu Pro Pro Lys
 210 215 220
 Ile Ser Asn Gly Val Ile Leu Asp Gln Gln Asn Thr Tyr Val Tyr Gln
 225 230 235 240

Gln Ala Val Lys Tyr Glu Cys Ile Lys Gly Phe Thr Leu Ile Gly Glu
 245 250 255

Asn Ser Asp Leu Leu Tyr Cys
 260

<210> 2214
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 2214
 Met Cys Leu Leu Gly Gly Leu Ser Ala Pro Pro Leu Leu Leu Leu Pro
 1 5 10 15
 Leu Leu Pro Leu Leu Leu Cys Pro Pro Thr Gly Arg Val Thr Ala Ala
 20 25 30
 Phe Pro Gln Ser Tyr Leu Met Pro Tyr Lys Val Trp Val Thr Asn Arg
 35 40 45
 Val Phe Leu Lys Asn Ser Gln
 50 55

<210> 2215
 <211> 350
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 2215
 Met Ala Xaa Xaa Val Val Leu Leu Ala Leu Val Ala Gly Val Leu Gly
 1 5 10 15
 Asn Glu Phe Ser Ile Leu Lys Ser Pro Gly Ser Val Val Phe Arg Asn
 20 25 30
 Gly Asn Trp Pro Ile Pro Gly Glu Arg Ile Pro Asp Val Ala Ala Leu
 35 40 45
 Ser Met Gly Phe Ser Val Lys Glu Asp Leu Ser Trp Pro Gly Leu Ala
 50 55 60
 Val Gly Asn Leu Phe His Arg Pro Arg Ala Thr Val Met Val Met Val
 65 70 75 80

Lys Gly Val Asn Lys Leu Ala Leu Pro Pro Gly Ser Val Ile Ser Tyr
 85 90 95
 Pro Leu Glu Asn Ala Val Pro Phe Ser Leu Asp Ser Val Ala Asn Ser
 100 105 110
 Ile His Ser Leu Phe Ser Glu Glu Thr Pro Val Val Leu Gln Leu Ala
 115 120 125
 Pro Ser Glu Glu Arg Val Tyr Met Val Gly Lys Ala Asn Ser Val Phe
 130 135 140
 Glu Asp Leu Ser Val Thr Leu Arg Gln Leu Arg Asn Arg Leu Phe Gln
 145 150 155 160
 Glu Asn Ser Val Leu Ser Ser Leu Pro Leu Asn Ser Leu Ser Arg Asn
 165 170 175
 Asn Glu Val Asp Leu Leu Phe Leu Ser Glu Leu Gln Val Leu His Asp
 180 185 190
 Ile Ser Ser Leu Leu Ser Arg His Lys His Leu Ala Lys Asp His Ser
 195 200 205
 Pro Asp Leu Tyr Ser Leu Glu Leu Ala Gly Leu Asp Glu Ile Gly Lys
 210 215 220
 Arg Tyr Gly Glu Asp Ser Glu Gln Phe Arg Asp Ala Ser Lys Ile Leu
 225 230 235 240
 Val Asp Ala Leu Gln Lys Phe Ala Asp Asp Met Tyr Ser Leu Tyr Gly
 245 250 255
 Gly Asn Ala Val Val Glu Leu Val Thr Val Lys Ser Phe Asp Thr Ser
 260 265 270
 Leu Ile Arg Lys Thr Arg Thr Ile Leu Glu Ala Lys Gln Ala Lys Asn
 275 280 285
 Pro Ala Ser Pro Tyr Asn Leu Ala Tyr Lys Tyr Asn Phe Glu Tyr Ser
 290 295 300
 Val Val Phe Asn Met Val Leu Trp Ile Met Ile Ala Leu Ala Leu Ala
 305 310 315 320
 Val Ile Ile Thr Ser Tyr Asn Ile Trp Asn Met Asp Pro Gly Tyr Asp
 325 330 335
 Ser Ile Ile Tyr Arg Met Thr Asn Gln Lys Ile Arg Met Asp
 340 345 350
 <210> 2216
 <211> 350
 <212> PRT
 <213> Homo sapiens
 <400> 2216
 Met Ala Val Phe Val Val Leu Leu Ala Leu Val Ala Gly Val Leu Gly

1					5					10					15				
Asn	Glu	Phe	Ser	Ile	Leu	Lys	Ser	Pro	Gly	Ser	Val	Val	Phe	Arg	Asn				
			20							25				30					
Gly	Asn	Trp	Pro	Ile	Pro	Gly	Glu	Arg	Ile	Pro	Asp	Val	Ala	Ala	Leu				
			35							40				45					
Ser	Met	Gly	Phe	Ser	Val	Lys	Glu	Asp	Leu	Ser	Trp	Pro	Gly	Leu	Ala				
			50							55				60					
Val	Gly	Asn	Leu	Phe	His	Arg	Pro	Arg	Ala	Thr	Val	Met	Val	Met	Val				
			65							70				75					
Lys	Gly	Val	Asn	Lys	Leu	Ala	Leu	Pro	Pro	Gly	Ser	Val	Ile	Ser	Tyr				
						85							90						
Pro	Leu	Glu	Asn	Ala	Val	Pro	Phe	Ser	Leu	Asp	Ser	Val	Ala	Asn	Ser				
						100							105						
Ile	His	Ser	Leu	Phe	Ser	Glu	Glu	Thr	Pro	Val	Val	Leu	Gln	Leu	Ala				
						115							120						
Pro	Ser	Glu	Glu	Arg	Val	Tyr	Met	Val	Gly	Lys	Ala	Asn	Ser	Val	Phe				
						130							135						
Glu	Asp	Leu	Ser	Val	Thr	Leu	Arg	Gln	Leu	Arg	Asn	Arg	Leu	Phe	Gln				
						145							150						
Glu	Asn	Ser	Val	Leu	Ser	Ser	Leu	Pro	Leu	Asn	Ser	Leu	Ser	Arg	Asn				
						165							170						
Asn	Glu	Val	Asp	Leu	Leu	Phe	Leu	Ser	Glu	Leu	Gln	Val	Leu	His	Asp				
						180							185						
Ile	Ser	Ser	Leu	Leu	Ser	Arg	His	Lys	His	Leu	Ala	Lys	Asp	His	Ser				
						195							200						
Pro	Asp	Leu	Tyr	Ser	Leu	Glu	Leu	Ala	Gly	Leu	Asp	Glu	Ile	Gly	Lys				
						210							215						
Arg	Tyr	Gly	Glu	Asp	Ser	Glu	Gln	Phe	Arg	Asp	Ala	Ser	Lys	Ile	Leu				
						225							230						
Val	Asp	Ala	Leu	Gln	Lys	Phe	Ala	Asp	Asp	Met	Tyr	Ser	Leu	Tyr	Gly				
						245							250						
Gly	Asn	Ala	Val	Val	Glu	Leu	Val	Thr	Val	Lys	Ser	Phe	Asp	Thr	Ser				
						260							265						
Leu	Ile	Arg	Lys	Thr	Arg	Thr	Ile	Leu	Glu	Ala	Lys	Gln	Ala	Lys	Asn				
						275							280						
Pro	Ala	Ser	Pro	Tyr	Asn	Leu	Ala	Tyr	Lys	Tyr	Asn	Phe	Glu	Tyr	Ser				
						290							295						
Val	Val	Phe	Asn	Met	Val	Leu	Trp	Ile	Met	Ile	Ala	Leu	Ala	Leu	Ala				
						305							310						
Val	Ile	Ile	Thr	Ser	Tyr	Asn	Ile	Trp	Asn	Met	Asp	Pro	Gly	Tyr	Asp				
						315							320						

325

330

335

Ser Ile Ile Tyr Arg Met Thr Asn Gln Lys Ile Arg Met Asp
 340 345 350

<210> 2217

<211> 167

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2217

Met Cys Ser Leu Phe His Ala Phe Ile Phe Ala Gln Leu Trp Thr Val
 1 5 10 15

Tyr Cys Glu Gln Ser Ala Val Ala Thr Asn Leu Gln Asn Gln Asn Glu
 20 25 30

Phe Ser Phe Thr Ala Ile Leu Thr Ala Leu Glu Phe Trp Ser Arg Val
 35 40 45

Thr Pro Ser Ile Leu Gln Leu Met Ala His Asn Lys Xaa Met Val Glu
 50 55 60

Met Val Cys Leu His Val Ile Ser Leu Met Glu Ala Leu Gln Xaa Cys
 65 70 75 80

Asn Ser Thr Ile Phe Val Lys Leu Ile Pro Met Trp Leu Pro Met Ile
 85 90 95

Gln Ser Asn Ile Lys His Leu Ser Ala Gly Leu Gln Leu Arg Leu Gln
 100 105 110

Ala Ile Gln Asn His Val Asn His His Ser Leu Arg Thr Leu Pro Gly
 115 120 125

Ser Gly Gln Ser Ser Ala Gly Leu Ala Ala Leu Arg Lys Trp Leu Gln
 130 135 140

Cys Thr Gln Phe Lys Met Ala Gln Val Glu Ile Gln Ser Ser Glu Ala
 145 150 155 160

Ala Ser Gln Phe Tyr Pro Leu
 165

<210> 2218

<211> 110

<212> PRT
<213> Homo sapiens

<400> 2218

Met	Glu	Phe	Pro	Gly	Ala	Asp	Gly	Cys	Asn	Gln	Val	Asp	Ala	Glu	Tyr
1				5				10						15	
Leu	Lys	Val	Gly	Ser	Glu	Gly	His	Phe	Arg	Val	Pro	Ala	Leu	Gly	Tyr
			20					25					30		
Leu	Asp	Val	Arg	Ile	Val	Asp	Thr	Asp	Tyr	Ser	Ser	Phe	Ala	Val	Leu
			35				40					45			
Tyr	Ile	Tyr	Lys	Glu	Leu	Glu	Gly	Ala	Leu	Ser	Thr	Met	Val	Gln	Leu
	50					55					60				
Tyr	Ser	Arg	Thr	Gln	Asp	Val	Ser	Pro	Gln	Ala	Leu	Lys	Ala	Phe	Gln
	65				70					75					80
Asp	Phe	Tyr	Pro	Thr	Leu	Gly	Leu	Pro	Glu	Asp	Met	Met	Val	Met	Leu
				85					90					95	
Pro	Gln	Ser	Asp	Ala	Cys	Asn	Pro	Glu	Ser	Lys	Glu	Ala	Pro		
			100					105					110		

<210> 2219
<211> 115
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2219

Ile	Ser	Leu	Leu	Trp	Asn	Leu	Trp	Gln	Ser	Val	Lys	Ile	Gly	Cys	Gly
1				5				10						15	
Glu	Lys	Leu	Tyr	Pro	Gly	His	Thr	Lys	Asp	Ser	Arg	Asn	His	Leu	Gly
			20					25					30		
Gln	Asn	Leu	Ser	Phe	Leu	His	Phe	Ile	Tyr	Leu	Phe	Pro	Pro	Pro	His
		35					40					45			
Ser	Thr	His	Thr	Leu	Pro	Thr	Ser	Ser	Thr	Ser	Thr	Phe	Lys	His	Lys
	50					55					60				
Asp	Val	Arg	Val	Phe	Ser	Leu	Ser	Val	Ser	Trp	Arg	Thr	Gly	Cys	Trp
	65				70					75					80
Glu	Arg	Lys	Gly	Gln	Met	Ser	Lys	Gly	Gly	Cys	Arg	Ala	Gly	Gln	Ala
				85					90					95	

210	215	220
Leu Tyr Leu Glu Thr Lys Thr Leu Gln Gly Thr Lys Gly Glu Asn Ser		
225	230	235 240
Leu Ser Ser Thr Gly Thr Phe Leu Val Asp Asn Ser Ser Xaa Thr Ser		
	245	250 255
Arg Asn Phe Gln Thr Lys		
	260	
<210> 2221		
<211> 514		
<212> PRT		
<213> Homo sapiens		
<400> 2221		
Glu Leu Cys Arg Gln Pro Lys Pro Ser Thr Val Gln Ala Cys Asn Arg		
1	5	10 15
Phe Asn Cys Pro Pro Ala Trp Tyr Pro Ala Gln Trp Gln Pro Cys Ser		
	20	25 30
Arg Thr Cys Gly Gly Gly Val Gln Lys Arg Glu Val Leu Cys Lys Gln		
	35	40 45
Arg Met Ala Asp Gly Ser Phe Leu Glu Leu Pro Glu Thr Phe Cys Ser		
	50	55 60
Ala Ser Lys Pro Ala Cys Gln Gln Ala Cys Lys Lys Asp Asp Cys Pro		
	65	70 75 80
Ser Glu Trp Leu Leu Ser Asp Trp Thr Glu Cys Ser Thr Ser Cys Gly		
	85	90 95
Glu Gly Thr Gln Thr Arg Ser Ala Ile Cys Arg Lys Met Leu Lys Thr		
	100	105 110
Gly Leu Ser Thr Val Val Asn Ser Thr Leu Cys Pro Pro Leu Pro Phe		
	115	120 125
Ser Ser Ser Ile Arg Pro Cys Met Leu Ala Thr Cys Ala Arg Pro Gly		
	130	135 140
Arg Pro Ser Thr Lys His Ser Pro His Ile Ala Ala Ala Arg Lys Val		
	145	150 155 160
Tyr Ile Gln Thr Arg Arg Gln Arg Lys Leu His Phe Val Val Gly Gly		
	165	170 175
Phe Ala Tyr Leu Leu Pro Lys Thr Ala Val Val Leu Arg Cys Pro Ala		
	180	185 190
Arg Arg Val Arg Lys Pro Leu Ile Thr Trp Glu Lys Asp Gly Gln His		
	195	200 205
Leu Ile Ser Ser Thr His Val Thr Val Ala Pro Phe Gly Tyr Leu Lys		
	210	215 220

[illegible]

<210> 2222
 <211> 1745
 <212> PRT
 <213> Homo sapiens

<400> 2222

Met	Glu	Cys	Cys	Arg	Arg	Ala	Thr	Pro	Gly	Thr	Leu	Leu	Leu	Phe	Leu
1				5					10					15	
Ala	Phe	Leu	Leu	Leu	Ser	Ser	Arg	Thr	Ala	Arg	Ser	Glu	Glu	Asp	Arg
			20					25					30		
Asp	Gly	Leu	Trp	Asp	Ala	Trp	Gly	Pro	Trp	Ser	Glu	Cys	Ser	Arg	Thr
		35					40					45			
Cys	Gly	Gly	Gly	Ala	Ser	Tyr	Ser	Leu	Arg	Arg	Cys	Leu	Ser	Ser	Lys
	50					55					60				
Ser	Cys	Glu	Gly	Arg	Asn	Ile	Arg	Tyr	Arg	Thr	Cys	Ser	Asn	Val	Asp
65					70					75					80
Cys	Pro	Pro	Glu	Ala	Gly	Asp	Phe	Arg	Ala	Gln	Gln	Cys	Ser	Ala	His
				85					90					95	
Asn	Asp	Val	Lys	His	His	Gly	Gln	Phe	Tyr	Glu	Trp	Leu	Pro	Val	Ser
			100					105					110		
Asn	Asp	Pro	Asp	Asn	Pro	Cys	Ser	Leu	Lys	Cys	Gln	Ala	Lys	Gly	Thr
		115					120					125			
Thr	Leu	Val	Val	Glu	Leu	Ala	Pro	Lys	Val	Leu	Asp	Gly	Thr	Arg	Cys
	130					135					140				
Tyr	Thr	Glu	Ser	Leu	Asp	Met	Cys	Ile	Ser	Gly	Leu	Cys	Gln	Ile	Val
145					150					155					160
Gly	Cys	Asp	His	Gln	Leu	Gly	Ser	Thr	Val	Lys	Glu	Asp	Asn	Cys	Gly
				165					170					175	
Val	Cys	Asn	Gly	Asp	Gly	Ser	Thr	Cys	Arg	Leu	Val	Arg	Gly	Gln	Tyr
			180					185					190		
Lys	Ser	Gln	Leu	Ser	Ala	Thr	Lys	Ser	Asp	Asp	Thr	Val	Val	Ala	Ile
		195					200					205			
Pro	Tyr	Gly	Ser	Arg	His	Ile	Arg	Leu	Val	Leu	Lys	Gly	Pro	Asp	His
	210					215					220				
Leu	Tyr	Leu	Glu	Thr	Lys	Thr	Leu	Gln	Gly	Thr	Lys	Gly	Glu	Asn	Ser
225					230					235					240
Leu	Ser	Ser	Thr	Gly	Thr	Phe	Leu	Val	Asp	Asn	Ser	Ser	Val	Asp	Phe
				245					250					255	
Gln	Lys	Phe	Pro	Asp	Lys	Glu	Ile	Leu	Arg	Met	Ala	Gly	Pro	Leu	Thr
			260					265					270		
Ala	Asp	Phe	Ile	Val	Lys	Ile	Arg	Asn	Ser	Gly	Ser	Ala	Asp	Ser	Thr
		275					280					285			

Val	Gln	Phe	Ile	Phe	Tyr	Gln	Pro	Ile	Ile	His	Arg	Trp	Arg	Glu	Thr	290	295	300
Asp	Phe	Phe	Pro	Cys	Ser	Ala	Thr	Cys	Gly	Gly	Gly	Tyr	Gln	Leu	Thr	305	310	315
Ser	Ala	Glu	Cys	Tyr	Asp	Leu	Arg	Ser	Asn	Arg	Val	Val	Ala	Asp	Gln	325	330	335
Tyr	Cys	His	Tyr	Tyr	Pro	Glu	Asn	Ile	Lys	Pro	Lys	Pro	Lys	Leu	Gln	340	345	350
Glu	Cys	Asn	Leu	Asp	Pro	Cys	Pro	Ala	Arg	Trp	Glu	Ala	Thr	Pro	Trp	355	360	365
Thr	Ala	Cys	Ser	Ser	Ser	Cys	Gly	Gly	Gly	Ile	Gln	Ser	Arg	Ala	Val	370	375	380
Ser	Cys	Val	Glu	Glu	Asp	Ile	Gln	Gly	His	Val	Thr	Ser	Val	Glu	Glu	385	390	395
Trp	Lys	Cys	Met	Tyr	Thr	Pro	Lys	Met	Pro	Ile	Ala	Gln	Pro	Cys	Asn	405	410	415
Ile	Phe	Asp	Cys	Pro	Lys	Trp	Leu	Ala	Gln	Glu	Trp	Ser	Pro	Cys	Thr	420	425	430
Val	Thr	Cys	Gly	Gln	Gly	Leu	Arg	Tyr	Arg	Val	Val	Leu	Cys	Ile	Asp	435	440	445
His	Arg	Gly	Met	His	Thr	Gly	Gly	Cys	Ser	Pro	Lys	Thr	Lys	Pro	His	450	455	460
Ile	Lys	Glu	Glu	Cys	Ile	Val	Pro	Thr	Pro	Cys	Tyr	Lys	Pro	Lys	Glu	465	470	475
Lys	Leu	Pro	Val	Glu	Ala	Lys	Leu	Pro	Trp	Phe	Lys	Gln	Ala	Gln	Glu	485	490	495
Leu	Glu	Glu	Gly	Ala	Ala	Val	Ser	Glu	Glu	Pro	Ser	Phe	Ile	Pro	Lys	500	505	510
Ala	Trp	Ser	Ala	Cys	Thr	Val	Thr	Cys	Gly	Val	Gly	Thr	Gln	Val	Arg	515	520	525
Ile	Val	Arg	Cys	Gln	Val	Leu	Leu	Ser	Phe	Ser	Gln	Ser	Val	Ala	Asp	530	535	540
Leu	Pro	Ile	Asp	Glu	Cys	Glu	Gly	Pro	Lys	Pro	Ala	Ser	Gln	Arg	Ala	545	550	555
Cys	Tyr	Ala	Gly	Pro	Cys	Ser	Gly	Glu	Ile	Pro	Glu	Phe	Asn	Pro	Asp	565	570	575
Glu	Thr	Asp	Gly	Leu	Phe	Gly	Gly	Leu	Gln	Asp	Phe	Asp	Glu	Leu	Tyr	580	585	590
Asp	Trp	Glu	Tyr	Glu	Gly	Phe	Thr	Lys	Cys	Ser	Glu	Ser	Cys	Gly	Gly	595	600	605

Gly	Val	Gln	Glu	Ala	Val	Val	Ser	Cys	Leu	Asn	Lys	Gln	Thr	Arg	Glu	
610						615					620					
Pro	Ala	Glu	Glu	Asn	Leu	Cys	Val	Thr	Ser	Arg	Arg	Pro	Pro	Gln	Leu	
625					630					635					640	
Leu	Lys	Ser	Cys	Asn	Leu	Asp	Pro	Cys	Pro	Ala	Arg	Trp	Glu	Ile	Gly	
				645					650					655		
Lys	Trp	Ser	Pro	Cys	Ser	Leu	Thr	Cys	Gly	Val	Gly	Leu	Gln	Thr	Arg	
			660					665					670			
Asp	Val	Phe	Cys	Ser	His	Leu	Leu	Ser	Arg	Glu	Met	Asn	Glu	Thr	Val	
		675					680					685				
Ile	Leu	Ala	Asp	Glu	Leu	Cys	Arg	Gln	Pro	Lys	Pro	Ser	Thr	Val	Gln	
690						695					700					
Ala	Cys	Asn	Arg	Phe	Asn	Cys	Pro	Pro	Ala	Trp	Tyr	Pro	Ala	Gln	Trp	
705					710					715					720	
Gln	Pro	Cys	Ser	Arg	Thr	Cys	Gly	Gly	Gly	Val	Gln	Lys	Arg	Glu	Val	
				725					730					735		
Leu	Cys	Lys	Gln	Arg	Met	Ala	Asp	Gly	Ser	Phe	Leu	Glu	Leu	Pro	Glu	
			740					745					750			
Thr	Phe	Cys	Ser	Ala	Ser	Lys	Pro	Ala	Cys	Gln	Gln	Ala	Cys	Lys	Lys	
		755					760					765				
Asp	Asp	Cys	Pro	Ser	Glu	Trp	Leu	Leu	Ser	Asp	Trp	Thr	Glu	Cys	Ser	
	770					775					780					
Thr	Ser	Cys	Gly	Glu	Gly	Thr	Gln	Thr	Arg	Ser	Ala	Ile	Cys	Arg	Lys	
785					790					795					800	
Met	Leu	Lys	Thr	Gly	Leu	Ser	Thr	Val	Val	Asn	Ser	Thr	Leu	Cys	Pro	
				805					810					815		
Pro	Leu	Pro	Phe	Ser	Ser	Ser	Ile	Arg	Pro	Cys	Met	Leu	Ala	Thr	Cys	
			820					825					830			
Ala	Arg	Pro	Gly	Arg	Pro	Ser	Thr	Lys	His	Ser	Pro	His	Ile	Ala	Ala	
		835					840					845				
Ala	Arg	Lys	Val	Tyr	Ile	Gln	Thr	Arg	Arg	Gln	Arg	Lys	Leu	His	Phe	
	850					855					860					
Val	Val	Gly	Gly	Phe	Ala	Tyr	Leu	Leu	Pro	Lys	Thr	Ala	Val	Val	Leu	
865					870					875					880	
Arg	Cys	Pro	Ala	Arg	Arg	Val	Arg	Lys	Pro	Leu	Ile	Thr	Trp	Glu	Lys	
				885					890					895		
Asp	Gly	Gln	His	Leu	Ile	Ser	Ser	Thr	His	Val	Thr	Val	Ala	Pro	Phe	
			900					905					910			
Gly	Tyr	Leu	Lys	Ile	His	Arg	Leu	Lys	Pro	Ser	Asp	Ala	Gly	Val	Tyr	
		915					920					925				

Thr	Cys	Ser	Ala	Gly	Pro	Ala	Arg	Glu	His	Phe	Val	Ile	Lys	Leu	Ile	930	935	940	
Gly	Gly	Asn	Arg	Lys	Leu	Val	Ala	Arg	Pro	Leu	Ser	Pro	Arg	Ser	Glu	945	950	955	960
Glu	Glu	Val	Leu	Ala	Gly	Arg	Lys	Gly	Gly	Pro	Lys	Glu	Ala	Leu	Gln	965	970	975	
Thr	His	Lys	His	Gln	Asn	Gly	Ile	Phe	Ser	Asn	Gly	Ser	Lys	Ala	Glu	980	985	990	
Lys	Arg	Gly	Leu	Ala	Ala	Asn	Pro	Gly	Ser	Arg	Tyr	Asp	Asp	Leu	Val	995	1000	1005	
Ser	Arg	Leu	Leu	Glu	Gln	Gly	Gly	Trp	Pro	Gly	Glu	Leu	Leu	Ala	Ser	1010	1015	1020	
Trp	Glu	Ala	Gln	Asp	Ser	Ala	Glu	Arg	Asn	Thr	Thr	Ser	Glu	Glu	Asp	1025	1030	1035	1040
Pro	Gly	Ala	Glu	Gln	Val	Leu	Leu	His	Leu	Pro	Phe	Thr	Met	Val	Thr	1045	1050	1055	
Glu	Gln	Arg	Arg	Leu	Asp	Asp	Ile	Leu	Gly	Asn	Leu	Ser	Gln	Gln	Pro	1060	1065	1070	
Glu	Glu	Leu	Arg	Asp	Leu	Tyr	Ser	Lys	His	Leu	Val	Ala	Gln	Leu	Ala	1075	1080	1085	
Gln	Glu	Ile	Phe	Arg	Ser	His	Leu	Glu	His	Gln	Asp	Thr	Leu	Leu	Lys	1090	1095	1100	
Pro	Ser	Glu	Arg	Arg	Thr	Ser	Pro	Val	Thr	Leu	Ser	Pro	His	Lys	His	1105	1110	1115	1120
Val	Ser	Gly	Phe	Ser	Ser	Ser	Leu	Arg	Thr	Ser	Ser	Thr	Gly	Asp	Ala	1125	1130	1135	
Gly	Gly	Gly	Ser	Arg	Arg	Pro	His	Arg	Lys	Pro	Thr	Ile	Leu	Arg	Lys	1140	1145	1150	
Ile	Ser	Ala	Ala	Gln	Gln	Leu	Ser	Ala	Ser	Glu	Val	Val	Thr	His	Leu	1155	1160	1165	
Gly	Gln	Thr	Val	Ala	Leu	Ala	Ser	Gly	Thr	Leu	Ser	Val	Leu	Leu	His	1170	1175	1180	
Cys	Glu	Ala	Ile	Gly	His	Pro	Arg	Pro	Thr	Ile	Ser	Trp	Ala	Arg	Asn	1185	1190	1195	1200
Gly	Glu	Glu	Val	Gln	Phe	Ser	Asp	Arg	Ile	Leu	Leu	Gln	Pro	Asp	Asp	1205	1210	1215	
Ser	Leu	Gln	Ile	Leu	Ala	Pro	Val	Glu	Ala	Asp	Val	Gly	Phe	Tyr	Thr	1220	1225	1230	
Cys	Asn	Ala	Thr	Asn	Ala	Leu	Gly	Tyr	Asp	Ser	Val	Ser	Ile	Ala	Val	1235	1240	1245	

Thr	Leu	Ala	Gly	Lys	Pro	Leu	Val	Lys	Thr	Ser	Arg	Met	Thr	Val	Ile	
	1250						1255				1260					
Asn	Thr	Glu	Lys	Pro	Ala	Val	Thr	Val	Asp	Ile	Gly	Ser	Thr	Ile	Lys	
	1265					1270				1275					1280	
Thr	Val	Gln	Gly	Val	Asn	Val	Thr	Ile	Asn	Cys	Gln	Val	Ala	Gly	Val	
				1285					1290					1295		
Pro	Glu	Ala	Glu	Val	Thr	Trp	Phe	Arg	Asn	Lys	Ser	Lys	Leu	Gly	Ser	
			1300					1305					1310			
Pro	His	His	Leu	His	Glu	Gly	Ser	Leu	Leu	Leu	Thr	Asn	Val	Ser	Ser	
		1315					1320					1325				
Ser	Asp	Gln	Gly	Leu	Tyr	Ser	Cys	Arg	Ala	Ala	Asn	Leu	His	Gly	Glu	
	1330					1335					1340					
Leu	Thr	Glu	Ser	Thr	Gln	Leu	Leu	Ile	Leu	Asp	Pro	Pro	Gln	Val	Pro	
	1345				1350					1355					1360	
Thr	Gln	Leu	Glu	Asp	Ile	Arg	Ala	Leu	Leu	Ala	Ala	Thr	Gly	Pro	Asn	
				1365					1370					1375		
Leu	Pro	Ser	Val	Leu	Thr	Ser	Pro	Leu	Gly	Thr	Gln	Leu	Val	Leu	Asp	
			1380					1385					1390			
Pro	Gly	Asn	Ser	Ala	Leu	Leu	Gly	Cys	Pro	Ile	Lys	Gly	His	Pro	Val	
		1395					1400					1405				
Pro	Asn	Ile	Thr	Trp	Phe	His	Gly	Gly	Gln	Pro	Ile	Val	Thr	Ala	Thr	
	1410					1415					1420					
Gly	Leu	Thr	His	His	Ile	Leu	Ala	Ala	Gly	Gln	Ile	Leu	Gln	Val	Ala	
	1425				1430					1435					1440	
Asn	Leu	Ser	Gly	Gly	Ser	Gln	Gly	Glu	Phe	Ser	Cys	Leu	Ala	Gln	Asn	
				1445					1450					1455		
Glu	Ala	Gly	Val	Leu	Met	Gln	Lys	Ala	Ser	Leu	Val	Ile	Gln	Asp	Tyr	
			1460					1465					1470			
Trp	Trp	Ser	Val	Asp	Arg	Leu	Ala	Thr	Cys	Ser	Ala	Ser	Cys	Gly	Asn	
		1475					1480					1485				
Arg	Gly	Val	Gln	Gln	Pro	Arg	Leu	Arg	Cys	Leu	Leu	Asn	Ser	Thr	Glu	
	1490					1495					1500					
Val	Asn	Pro	Ala	His	Cys	Ala	Gly	Lys	Val	Arg	Pro	Ala	Val	Gln	Pro	
	1505				1510					1515					1520	
Ile	Ala	Cys	Asn	Arg	Arg	Asp	Cys	Pro	Ser	Arg	Trp	Met	Val	Thr	Ser	
				1525					1530					1535		
Trp	Ser	Ala	Cys	Thr	Arg	Ser	Cys	Gly	Gly	Gly	Val	Gln	Thr	Arg	Arg	
			1540					1545					1550			
Val	Thr	Cys	Gln	Lys	Leu	Lys	Ala	Ser	Gly	Ile	Ser	Thr	Pro	Val	Ser	
		1555					1560					1565				

1487

[illegible]

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<210> 2223
<211> 19
<212> PRT
<213> Homo sapiens
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<400> 2223  
Glu Cys Cys Glu Thr Ala Ala Pro Pro Gly Pro His Arg Arg Pro Glu  
   1                               10                      15  
  
Ser Gly Gln
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<210> 2224
<211> 363
<212> PRT
<213> Homo sapiens
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<400> 2224
Met Ala Ala Val Leu Thr Trp Ala Leu Ala Leu Leu Ser Ala Phe Ser
  1             5             10             15
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Leu Gln Ala Arg Leu Asp Asp Leu Trp Glu Asp Ile Thr His Ser Leu
 340 345 350

His Asp Gln Gly His Ser His Leu Gly Asp Pro
 355 360

<210> 2225
 <211> 183
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (86)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (146)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 2225
 Met Ala Val Gly Lys Phe Leu Leu Gly Ser Leu Leu Leu Leu Ser Leu
 1 5 10 15

Gln Leu Gly Gln Gly Trp Gly Pro Asp Ala Arg Gly Val Pro Val Ala
 20 25 30

Asp Gly Glu Phe Ser Ser Glu Gln Val Ala Lys Ala Gly Gly Thr Trp
 35 40 45

Leu Gly Lys Asp Phe Gln Gly Pro Ser Val Thr Ser Gln Leu Ser Pro
 50 55 60

Ala Leu Thr Leu Leu Thr Val Ser Ala Leu Pro Ser His Arg His Pro
 65 70 75 80

Pro Pro Pro Cys Pro Xaa Ala Pro Ser Pro Val Trp Ser Met Pro Ala
 85 90 95

Val Glu Pro Asp Pro Val Arg Gly Arg Ala Arg Pro Gly Leu Arg Leu
 100 105 110

Ile Gly Glu Val Ile Phe Arg Tyr Cys Ala Gly Ser Cys Pro Arg Gly
 115 120 125

Ala Arg Thr Gln His Gly Leu Ala Leu Ala Arg Leu Gln Gly Gln Gly
 130 135 140

Arg Xaa His Gly Gly Pro Cys Cys Arg Pro Thr Arg Tyr Thr Asp Val
 145 150 155 160

Ala Phe Leu Asp Asp Arg His Ala Gly Ser Gly Cys Pro Ser Ser Arg
 165 170 175

Arg Leu Cys Gly Cys Gly Gly
 180

				165						170					175
Ala	Ala	Leu	Arg	Leu	Trp	Trp	Leu	Arg	Val	Pro	Gly	Leu	Ala	Pro	Arg
			180					185					190		
Ser	Cys	Ser	Ala	Gly	Gly	Ala	Arg	Leu	Thr	Tyr	Leu	Leu	Glu	Thr	Trp
		195					200					205			
Met	Gln	Arg	Gln	Arg	Gly	Gly	Glu	Trp	Ala	Gly	Ala	Thr	Ser	Ser	Glu
	210					215					220				
Cys	Asn	Lys	Gly	His	His	Ser	Pro	Gly	Lys	Lys	Lys	Lys	Lys	Lys	Lys
225					230					235					240
Lys	Lys	Lys	Lys	Lys	Leu	Glu	Gly	Gly	Ser	Arg	Tyr				
				245					250						

<210> 2227
 <211> 150
 <212> PRT
 <213> Homo sapiens

<400> 2227

Met	Val	Met	Ile	Leu	Phe	Val	Ala	Phe	Ile	Thr	Cys	Trp	Glu	Glu	Val
1				5					10					15	
Thr	Thr	Leu	Val	Gln	Ala	Ile	Arg	Ile	Thr	Ser	Tyr	Met	Asn	Glu	Thr
			20					25					30		
Ile	Leu	Tyr	Phe	Pro	Phe	Ser	Ser	His	Ser	Ser	Tyr	Thr	Val	Arg	Ser
		35					40					45			
Lys	Lys	Ile	Phe	Leu	Ser	Lys	Leu	Ile	Val	Cys	Phe	Leu	Ser	Thr	Trp
	50					55				60					
Leu	Pro	Phe	Val	Leu	Leu	Gln	Val	Ile	Ile	Val	Leu	Leu	Lys	Val	Gln
65					70					75					80
Ile	Pro	Ala	Tyr	Ile	Glu	Met	Asn	Ile	Pro	Trp	Leu	Tyr	Phe	Val	Asn
				85					90					95	
Ser	Phe	Leu	Ile	Ala	Thr	Val	Tyr	Trp	Phe	Asn	Cys	His	Lys	Leu	Asn
			100					105					110		
Leu	Lys	Asp	Ile	Gly	Leu	Pro	Leu	Asp	Pro	Phe	Val	Asn	Trp	Lys	Cys
		115					120					125			
Cys	Phe	Ile	Pro	Leu	Thr	Ile	Pro	Asn	Leu	Glu	Gln	Ile	Glu	Lys	Pro
	130					135					140				
Ile	Ser	Ile	Met	Ile	Cys										
145					150										

<210> 2228
 <211> 125
 <212> PRT

<213> Homo sapiens

<400> 2228

Met Ile Pro Phe Pro Ala Cys Leu Leu Leu Ala Leu Phe Pro Lys Val
1 5 10 15
Gln Val Gly Arg Thr Thr Ser Ala Tyr Phe Ser Thr Ile Pro Ser Met
20 25 30
Pro Ala Arg Ser Gln Ile Asn Leu Pro Val Glu Ser Gly Ser Ala Leu
35 40 45
Leu Glu Pro Arg Gly Lys Gly Arg Val Glu Arg Val Cys Pro Val Ala
50 55 60
Trp Ser Ser Met Val Ala Ser Cys Leu Pro Ser Pro Ser Ser Gly Gly
65 70 75 80
Pro Glu Gly Ser Leu Gly Thr Val Pro Gln Ile Leu Thr Gln Gly Pro
85 90 95
Ala Trp Gly Arg Asp Gly Cys Arg Gln Asn Ala Leu Tyr Arg Asp Phe
100 105 110
Leu Leu Leu Gly Arg Cys Val Ser Pro Thr Ile Cys Leu
115 120 125

<210> 2229

<211> 766

<212> PRT

<213> Homo sapiens

<400> 2229

Met Ile Trp Arg Ser Arg Ala Gly Ala Glu Leu Phe Ser Leu Met Ala
1 5 10 15
Leu Trp Glu Trp Ile Ala Leu Ser Leu His Cys Trp Val Leu Ala Val
20 25 30
Ala Ala Val Ser Asp Gln His Ala Thr Ser Pro Phe Asp Trp Leu Leu
35 40 45
Ser Asp Lys Gly Pro Phe His Arg Ser Gln Glu Tyr Thr Asp Phe Val
50 55 60
Asp Arg Ser Arg Gln Gly Phe Ser Thr Arg Tyr Lys Ile Tyr Arg Glu
65 70 75 80
Phe Gly Arg Trp Lys Val Asn Asn Leu Ala Val Glu Arg Arg Asn Phe
85 90 95
Leu Gly Ser Pro Leu Pro Leu Ala Pro Glu Phe Phe Arg Asn Ile Arg
100 105 110
Leu Leu Gly Arg Arg Pro Thr Leu Gln Gln Ile Thr Glu Asn Leu Ile
115 120 125
Lys Lys Tyr Gly Thr His Phe Leu Leu Ser Ala Thr Leu Gly Gly Glu

<210> 2230
 <211> 61
 <212> PRT
 <213> Homo sapiens

<400> 2230
 Met Lys Ser Ala Leu His Arg Asp Ile Cys Ile Leu Met Leu Thr Ala
 1 5 10 15
 Ala Leu Phe Thr Ile Ala Lys Thr Glu Lys Gln His Lys Cys Pro Ser
 20 25 30
 Ile Asp Glu Gln Ile Asn Asn Leu Gln Tyr Ile Cys Thr Met Glu Tyr
 35 40 45
 His Ser Ala Leu Gln Lys Glu Met Leu Leu Tyr Leu Gln
 50 55 60

<210> 2231
 <211> 133
 <212> PRT
 <213> Homo sapiens

<400> 2231
 Met Arg Met Ser Leu Ala Gln Arg Val Leu Leu Thr Trp Leu Phe Thr
 1 5 10 15
 Leu Leu Phe Leu Ile Met Leu Val Leu Lys Leu Asp Glu Lys Ala Pro
 20 25 30
 Trp Asn Trp Phe Leu Ile Phe Ile Pro Val Trp Ile Phe Asp Thr Ile
 35 40 45
 Leu Leu Val Leu Leu Ile Val Lys Met Ala Gly Arg Cys Lys Ser Gly
 50 55 60
 Phe Asp Pro Arg His Gly Ser His Asn Ile Lys Lys Lys Ala Trp Tyr
 65 70 75 80
 Leu Ile Ala Met Leu Leu Lys Leu Ala Phe Cys Leu Ala Leu Cys Ala
 85 90 95
 Lys Leu Glu Gln Phe Thr Thr Met Asn Leu Ser Tyr Val Phe Ile Pro
 100 105 110
 Leu Trp Ala Leu Leu Ala Gly Ala Leu Thr Glu Leu Gly Tyr Asn Val
 115 120 125
 Phe Phe Val Arg Asp
 130

<210> 2232
 <211> 131
 <212> PRT
 <213> Homo sapiens

Asn Lys Ile Lys Lys Leu Thr Ala Lys Asp Phe Ala Asp Ile Pro Asn
 130 135 140
 Leu Arg Arg Leu Asp Phe Thr Gly Asn Leu Ile Glu Asp Ile Glu Asp
 145 150 155 160
 Gly Thr Phe Ser Lys Leu Ser Leu Leu Glu Glu Leu Ser Leu Ala Glu
 165 170 175
 Asn Gln Leu Leu Lys Leu Pro Val Leu Pro Pro Lys Leu Thr Leu Phe
 180 185 190
 Asn Ala Lys Tyr Asn Lys Ile Lys Ser Arg Gly Ile Lys Ala Asn Ala
 195 200 205
 Phe Lys Lys Leu Asn Asn Leu Thr Phe Leu Tyr Leu Asp His Asn Ala
 210 215 220
 Leu Glu Ser Val Pro Leu Asn Leu Pro Glu Ser Leu Arg Val Ile His
 225 230 235 240
 Leu Gln Phe Asn Asn Ile Ala Ser Ile Thr Asp Asp Thr Phe Cys Lys
 245 250 255
 Ala Asn Asp Thr Ser Tyr Ile Arg Asp Arg Ile Glu Glu Ile Arg Leu
 260 265 270
 Glu Gly Asn Pro Ile Val Leu Gly Lys His Pro Asn Ser Phe Ile Cys
 275 280 285
 Leu Lys Arg Leu Pro Ile Gly Ser Tyr Phe
 290 295

<210> 2234
 <211> 158
 <212> PRT
 <213> Homo sapiens

<400> 2234
 Met Ala Ala Ala Ser Ala Gly Ala Thr Arg Leu Leu Leu Leu Leu
 1 5 10 15
 Met Ala Val Ala Ala Pro Ser Arg Ala Arg Gly Ser Gly Cys Arg Ala
 20 25 30
 Gly Thr Gly Ala Arg Gly Ala Gly Ala Glu Gly Arg Glu Gly Glu Ala
 35 40 45
 Cys Gly Thr Val Gly Leu Leu Leu Glu His Ser Phe Glu Ile Asp Asp
 50 55 60
 Ser Ala Asn Phe Arg Lys Arg Gly Ser Leu Leu Trp Asn Gln Gln Asp
 65 70 75 80
 Gly Thr Leu Ser Leu Ser Gln Arg Gln Leu Ser Glu Glu Glu Arg Gly
 85 90 95

Arg Leu Arg Asp Val Ala Ala Ser Tyr Leu Asp Cys Gly Ala Thr Arg
100 105 110

Ala Cys Gly Pro Leu Leu Cys Ala Thr Leu Pro Val Ser Leu Phe Lys
115 120 125

Asn Ile Asp Asp Thr Leu Lys Cys Val Asn Val Leu Lys Ser Tyr Ser
130 135 140

Phe Gln Gln Pro Lys Ala Thr Val Val Leu Ala Arg Arg Ser
145 150 155

<210> 2235
<211> 58
<212> PRT
<213> Homo sapiens

<400> 2235
Met Thr Lys Ala Leu Ile Pro Thr Pro Phe Phe Leu Ala Ala Met Trp
1 5 10 15

Pro Leu Trp Gln His Ser Trp Ala Gln Thr Leu Arg Ser Gln Arg Gln
20 25 30

Glu Ala Asp Ala Trp Ala Lys Ala Gly Ala Gly Asn Ser Arg Gly Ser
35 40 45

Leu Ala Trp Arg Leu Leu Met Ser Ser Gly
50 55

<210> 2236
<211> 71
<212> PRT
<213> Homo sapiens

<400> 2236
Met Leu Val Ala Ala Ile Val Phe Ile Ser Phe Gly Val Val Ala Ala
1 5 10 15

Phe Cys Cys Ala Ile Val Asp Gly Val Phe Ala Ala Gln His Ile Glu
20 25 30

Pro Lys Ala Pro His His Gly Lys Met Pro Val Tyr Ser Ser Gly Val
35 40 45

Gly Tyr Leu Tyr Asp Val Tyr Gln Thr Glu Val Ser Arg Ser Thr Glu
50 55 60

Ile His Val Gly Leu Leu Asn
65 70

<210> 2237
<211> 605
<212> PRT

<213> Homo sapiens

<400> 2237

Met Gly Arg Leu Leu Arg Ala Ala Arg Leu Pro Pro Leu Leu Ser Pro
1 5 10 15
Leu Leu Leu Leu Leu Val Gly Gly Ala Phe Leu Gly Ala Cys Val Ala
20 25 30
Gly Ser Asp Glu Pro Gly Pro Glu Gly Leu Thr Ser Thr Ser Leu Leu
35 40 45
Asp Leu Leu Leu Pro Thr Gly Leu Glu Pro Leu Asp Ser Glu Glu Pro
50 55 60
Ser Glu Thr Met Gly Leu Gly Ala Gly Leu Gly Ala Pro Gly Ser Gly
65 70 75 80
Phe Pro Ser Glu Glu Asn Glu Glu Ser Arg Ile Leu Gln Pro Pro Gln
85 90 95
Tyr Phe Trp Glu Glu Glu Glu Glu Leu Asn Asp Ser Ser Leu Asp Leu
100 105 110
Gly Pro Thr Ala Asp Tyr Val Phe Pro Asp Leu Thr Glu Lys Ala Gly
115 120 125
Ser Ile Glu Asp Thr Ser Gln Ala Gln Glu Leu Pro Asn Leu Pro Ser
130 135 140
Pro Leu Pro Lys Met Asn Leu Val Glu Pro Pro Trp His Met Pro Pro
145 150 155 160
Arg Glu Glu Glu Glu Glu Glu Glu Glu Glu Glu Glu Arg Glu Lys Glu
165 170 175
Glu Val Glu Lys Gln Glu Glu Glu Glu Glu Glu Glu Leu Leu Pro Val
180 185 190
Asn Gly Ser Gln Glu Glu Ala Lys Pro Gln Val Arg Asp Phe Ser Leu
195 200 205
Thr Ser Ser Ser Gln Thr Pro Gly Ala Thr Lys Ser Arg His Glu Asp
210 215 220
Ser Gly Asp Gln Ala Ser Ser Gly Val Glu Val Glu Ser Ser Met Gly
225 230 235 240
Pro Ser Leu Leu Leu Pro Ser Val Thr Pro Thr Thr Val Thr Pro Gly
245 250 255
Asp Gln Asp Ser Thr Ser Gln Glu Ala Glu Ala Thr Val Leu Pro Ala
260 265 270
Ala Gly Leu Gly Val Glu Phe Glu Ala Pro Gln Glu Ala Ser Glu Glu
275 280 285
Ala Thr Ala Gly Ala Ala Gly Leu Ser Gly Gln His Glu Glu Val Pro
290 295 300

<211> 432
 <212> PRT
 <213> Homo sapiens

<400> 2238

Met	Asp	Ala	Arg	Trp	Trp	Ala	Val	Val	Val	Leu	Ala	Ala	Phe	Pro	Ser	1	5	10	15
Leu	Gly	Ala	Gly	Gly	Glu	Thr	Pro	Glu	Ala	Pro	Pro	Glu	Ser	Trp	Thr	20	25	30	
Gln	Leu	Trp	Phe	Phe	Arg	Phe	Val	Val	Asn	Ala	Ala	Gly	Tyr	Ala	Ser	35	40	45	
Phe	Met	Val	Pro	Gly	Tyr	Leu	Leu	Val	Gln	Tyr	Phe	Arg	Arg	Lys	Asn	50	55	60	
Tyr	Leu	Glu	Thr	Gly	Arg	Gly	Leu	Cys	Phe	Pro	Leu	Val	Lys	Ala	Cys	65	70	75	80
Val	Phe	Gly	Asn	Glu	Pro	Lys	Ala	Ser	Asp	Glu	Val	Pro	Leu	Ala	Pro	85	90	95	
Arg	Thr	Glu	Ala	Ala	Glu	Thr	Thr	Pro	Met	Trp	Gln	Ala	Leu	Lys	Leu	100	105	110	
Leu	Phe	Cys	Ala	Thr	Gly	Leu	Gln	Val	Ser	Tyr	Leu	Thr	Trp	Gly	Val	115	120	125	
Leu	Gln	Glu	Arg	Val	Met	Thr	Arg	Ser	Tyr	Gly	Ala	Thr	Ala	Thr	Ser	130	135	140	
Pro	Gly	Glu	Arg	Phe	Thr	Asp	Ser	Gln	Phe	Leu	Val	Leu	Met	Asn	Arg	145	150	155	160
Val	Leu	Ala	Leu	Ile	Val	Ala	Gly	Leu	Ser	Cys	Val	Leu	Cys	Lys	Gln	165	170	175	
Pro	Arg	His	Gly	Ala	Pro	Met	Tyr	Arg	Tyr	Ser	Phe	Ala	Ser	Leu	Ser	180	185	190	
Asn	Val	Leu	Ser	Ser	Trp	Cys	Gln	Tyr	Glu	Ala	Leu	Lys	Phe	Val	Ser	195	200	205	
Phe	Pro	Thr	Gln	Val	Leu	Ala	Lys	Ala	Ser	Lys	Val	Ile	Pro	Val	Met	210	215	220	
Leu	Met	Gly	Lys	Leu	Val	Ser	Arg	Arg	Ser	Tyr	Glu	His	Trp	Glu	Tyr	225	230	235	240
Leu	Thr	Ala	Thr	Leu	Ile	Ser	Ile	Gly	Val	Ser	Met	Phe	Leu	Leu	Ser	245	250	255	
Ser	Gly	Pro	Glu	Pro	Arg	Ser	Ser	Pro	Ala	Thr	Thr	Leu	Ser	Gly	Leu	260	265	270	
Ile	Leu	Leu	Ala	Gly	Tyr	Ile	Ala	Phe	Asp	Ser	Phe	Thr	Ser	Asn	Trp	275	280	285	
Gln	Asp	Ala	Leu	Phe	Ala	Tyr	Lys	Met	Ser	Ser	Val	Gln	Met	Met	Phe				

290	295	300
Gly Val Asn Phe Phe Ser Cys Leu Phe Thr Val Gly Ser Leu Leu Glu		
305	310	315 320
Gln Gly Ala Leu Leu Glu Gly Thr Arg Phe Met Gly Arg His Ser Glu		
	325	330 335
Phe Ala Ala His Ala Leu Leu Leu Ser Ile Cys Ser Ala Cys Gly Gln		
	340	345 350
Leu Phe Ile Phe Tyr Thr Ile Gly Gln Phe Gly Ala Ala Val Phe Thr		
	355	360 365
Ile Ile Met Thr Leu Arg Gln Ala Phe Ala Ile Leu Leu Ser Cys Leu		
	370	375 380
Leu Tyr Gly His Thr Val Thr Val Val Gly Gly Leu Gly Val Ala Val		
385	390	395 400
Val Phe Ala Ala Leu Leu Leu Arg Val Tyr Ala Arg Gly Arg Leu Lys		
	405	410 415
Gln Arg Gly Lys Lys Ala Val Pro Val Glu Ser Pro Val Gln Lys Val		
	420	425 430

<210> 2239
 <211> 432
 <212> PRT
 <213> Homo sapiens

<400> 2239
 Met Asp Ala Arg Trp Trp Ala Val Val Val Leu Ala Ala Phe Pro Ser
 1 5 10 15
 Leu Gly Ala Gly Gly Glu Thr Pro Glu Ala Pro Pro Glu Ser Trp Thr
 20 25 30
 Gln Leu Trp Phe Phe Arg Phe Val Val Asn Ala Ala Gly Tyr Ala Ser
 35 40 45
 Phe Met Val Pro Gly Tyr Leu Leu Val Gln Tyr Phe Arg Arg Lys Asn
 50 55 60
 Tyr Leu Glu Thr Gly Arg Gly Leu Cys Phe Pro Leu Val Lys Ala Cys
 65 70 75 80
 Val Phe Gly Asn Glu Pro Lys Ala Ser Asp Glu Val Pro Leu Ala Pro
 85 90 95
 Arg Thr Glu Ala Ala Glu Thr Thr Pro Met Trp Gln Ala Leu Lys Leu
 100 105 110
 Leu Phe Cys Ala Thr Gly Leu Gln Val Ser Tyr Leu Thr Trp Gly Val
 115 120 125

Leu Gln Glu Arg Val Met Thr Arg Ser Tyr Gly Ala Thr Ala Thr Ser
 130 135 140
 Pro Gly Glu Arg Phe Thr Asp Ser Gln Phe Leu Val Leu Met Asn Arg
 145 150 155 160
 Val Leu Ala Leu Ile Val Ala Gly Leu Ser Cys Val Leu Cys Lys Gln
 165 170 175
 Pro Arg His Gly Ala Pro Met Tyr Arg Tyr Ser Phe Ala Ser Leu Ser
 180 185 190
 Asn Val Leu Ser Ser Trp Cys Gln Tyr Glu Ala Leu Lys Phe Val Ser
 195 200 205
 Phe Pro Thr Gln Val Leu Ala Lys Ala Ser Lys Val Ile Pro Val Met
 210 215 220
 Leu Met Gly Lys Leu Val Ser Arg Arg Ser Tyr Glu His Trp Glu Tyr
 225 230 235 240
 Leu Thr Ala Thr Leu Ile Ser Ile Gly Val Ser Met Phe Leu Leu Ser
 245 250 255
 Ser Gly Pro Glu Pro Arg Ser Ser Pro Ala Thr Thr Leu Ser Gly Leu
 260 265 270
 Ile Leu Leu Ala Gly Tyr Ile Ala Phe Asp Ser Phe Thr Ser Asn Trp
 275 280 285
 Gln Asp Ala Leu Phe Ala Tyr Lys Met Ser Ser Val Gln Met Met Phe
 290 295 300
 Gly Val Asn Phe Phe Ser Cys Leu Phe Thr Val Gly Ser Leu Leu Glu
 305 310 315 320
 Gln Gly Ala Leu Leu Glu Gly Thr Arg Phe Met Gly Arg His Ser Glu
 325 330 335
 Phe Ala Ala His Ala Leu Leu Leu Ser Ile Cys Ser Ala Cys Gly Gln
 340 345 350
 Leu Phe Ile Phe Tyr Thr Ile Gly Gln Phe Gly Ala Ala Val Phe Thr
 355 360 365
 Ile Ile Met Thr Leu Arg Gln Ala Phe Ala Ile Leu Leu Ser Cys Leu
 370 375 380
 Leu Tyr Gly His Thr Val Thr Val Val Gly Gly Leu Gly Val Ala Val
 385 390 395 400
 Val Phe Ala Ala Leu Leu Leu Arg Val Tyr Ala Arg Gly Arg Leu Lys
 405 410 415
 Gln Arg Gly Lys Lys Ala Val Pro Val Glu Ser Pro Val Gln Lys Val
 420 425 430

[illegible]

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<210> 2243
<211> 77
<212> PRT
<213> Homo sapiens
```

```
<400> 2243
Met Ala Ile Cys Gln Phe Phe Leu Gln Gly Arg Cys Arg Phe Gly Asp
  1                    5                10                  15

Arg Cys Trp Asn Glu His Pro Gly Ala Arg Gly Ala Gly Gly Gly Arg
          20                      25                 30

Gln Gln Pro Gln Gln Gln Pro Ser Gly Asn Asn Arg Arg Gly Trp Asn
      35                     40              45

Thr Thr Ser Gln Arg Tyr Ser Asn Val Ile Gln Pro Ser Ser Phe Ser
    50                   55               60

Lys Ser Thr Pro Trp Gly Gly Ser Arg Asp Gln Glu Thr
   65             70           75
```

```
<210> 2244
<211> 86
<212> PRT
<213> Homo sapiens
```

```
<400> 2244
Met Tyr Lys Leu Glu Leu Ile Phe Pro Thr Ala Leu Val Leu Pro Ile
  1                      5                      10                      15
Leu Val Asn Gly Thr Val Ile Cys Pro Leu Lys Ala Arg Asn Ser Val
                20                      25                      30
Ile Pro Ser Ser Ser Phe Leu Thr Ser Leu Gln Leu Thr Ile Trp Ile
```


<210> 2246
 <211> 215
 <212> PRT
 <213> Homo sapiens

<400> 2246
 Met Arg Leu Pro Ala Trp Cys Arg His Thr Thr Leu Ala Ile Ser Cys
 1 5 10 15
 Trp His Cys Leu Val Leu Ala Arg Ala Ser Ala Asp Ser Ala Ser Leu
 20 25 30
 Pro Thr Ile Ser His Leu Gly Val Lys Pro Leu Ser Val Gly Trp Gly
 35 40 45
 Ala Pro Ser Thr Leu Pro Val Ser Pro Cys Gly Gly Lys Pro Ala Ala
 50 55 60
 Pro Thr Ser Ala Ser Pro Ala Ala Ala Pro Leu Arg Phe Trp Arg Pro
 65 70 75 80
 Gly Ala Ser Gly Gly Gly Ala Gly Gly Thr Arg Arg Leu Ala Leu Cys
 85 90 95
 Arg Leu Val Thr Ala Arg Thr Thr Leu Ala Thr Gly Thr Pro Gly Leu
 100 105 110
 Ser Ala Arg Pro Arg Gln Arg Pro Cys Leu Leu Pro Val Leu Pro Arg
 115 120 125
 Arg Pro Ala Glu Leu Ser Val Ser Leu Glu Pro Ser Pro Gly Ser Ser
 130 135 140
 Gly Arg Gly Phe Leu Cys Leu Pro Phe Cys Lys Arg Asp Ala Asp Thr
 145 150 155 160
 Ser Leu Gly Gln Thr Leu Thr Ser Ser Cys Ser Leu Ser Ser Ile Leu
 165 170 175
 Val Gly Gly Thr Leu Arg Pro Arg Cys Ser Cys Pro Pro Phe Thr Gln
 180 185 190
 Arg Ser Ala Phe His Leu Arg Thr Pro His Asn Gln Tyr His His Gly
 195 200 205
 Ser Thr Ser Leu Ala Ser His
 210 215

<210> 2247
 <211> 139
 <212> PRT
 <213> Homo sapiens

<400> 2247
 Met Lys Thr Leu Leu Leu Leu Val Gly Leu Leu Leu Thr Trp Glu Asn

1	5	10	15
Gly Arg Val Leu Gly Asp Gln Met Val Ser Asp Thr Glu Leu Gln Glu	20	25	30
Met Ser Thr Glu Gly Ser Lys Tyr Ile Asn Arg Glu Ile Lys Asn Ala	35	40	45
Leu Lys Gly Val Lys Gln Ile Lys Thr Leu Ile Glu Gln Thr Asn Glu	50	55	60
Glu Arg Lys Ser Leu Leu Thr Asn Leu Glu Glu Ala Lys Lys Lys Lys	65	70	75
Glu Asp Ala Leu Asn Asp Thr Lys Asp Ser Glu Met Lys Leu Lys Ala	85	90	95
Ser Gln Gly Val Cys Asn Asp Thr Met Met Ala Leu Trp Glu Glu Cys	100	105	110
Lys Pro Cys Leu Lys Gln Thr Trp Gly Lys Gly Leu Arg Pro Ser Leu	115	120	125
Gln Lys Gln His Arg Ala Gly Trp Pro Pro Gly	130	135	

<210> 2248
 <211> 363
 <212> PRT
 <213> Homo sapiens

<400> 2248
Met Lys Thr Leu Leu Leu Leu Val Gly Leu Leu Leu Thr Trp Glu Asn
1 5 10 15
Gly Arg Val Leu Gly Asp Gln Met Val Ser Asp Thr Glu Leu Gln Glu
20 25 30
Met Ser Thr Glu Gly Ser Lys Tyr Ile Asn Arg Glu Ile Lys Asn Ala
35 40 45
Leu Lys Gly Val Lys Gln Ile Lys Thr Leu Ile Glu Gln Thr Asn Glu
50 55 60
Glu Arg Lys Ser Leu Leu Thr Asn Leu Glu Glu Ala Lys Lys Lys Lys
65 70 75 80
Glu Asp Ala Leu Asn Asp Thr Lys Asp Ser Glu Met Lys Leu Lys Ala
85 90 95
Ser Gln Gly Val Cys Asn Asp Thr Met Met Ala Leu Trp Glu Glu Cys
100 105 110
Lys Pro Cys Leu Lys Gln Thr Cys Met Lys Phe Tyr Ala Arg Val Cys
115 120 125
Arg Ser Ser Thr Gly Leu Val Gly His Gln Val Glu Glu Phe Leu Asn
130 135 140

Gly Thr Leu Leu Ile Ile Thr Ile Arg His Leu Val Thr Tyr Ile Ile
 50 55 60
 Val Ile Phe Lys Cys His Met Leu Lys Asn Glu Met Asn Ser Ser Ile
 65 70 75 80
 Lys Pro His Phe Gln
 85

<210> 2250
 <211> 184
 <212> PRT
 <213> Homo sapiens

<400> 2250
 Met Lys Ala Leu Gly Ala Val Leu Leu Ala Leu Leu Leu Cys Gly Arg
 1 5 10 15
 Pro Gly Arg Gly Gln Thr Gln Gln Glu Glu Glu Glu Asp Glu Asp
 20 25 30
 His Gly Pro Asp Asp Tyr Asp Glu Glu Asp Glu Asp Glu Val Glu Glu
 35 40 45
 Glu Glu Thr Asn Arg Leu Pro Gly Gly Arg Ser Arg Val Leu Leu Arg
 50 55 60
 Cys Tyr Thr Cys Lys Ser Leu Pro Arg Asp Glu Arg Cys Asn Leu Thr
 65 70 75 80
 Gln Asn Cys Ser His Gly Gln Thr Cys Thr Thr Leu Ile Ala His Gly
 85 90 95
 Asn Thr Glu Ser Gly Leu Leu Thr Thr His Ser Thr Trp Cys Thr Asp
 100 105 110
 Ser Cys Gln Pro Ile Thr Lys Thr Val Glu Gly Thr Gln Val Thr Met
 115 120 125
 Thr Cys Cys Gln Ser Ser Leu Cys Asn Val Pro Pro Trp Gln Ser Ser
 130 135 140
 Arg Val Gln Asp Pro Thr Gly Lys Gly Ala Gly Gly Pro Arg Gly Ser
 145 150 155 160
 Ser Glu Thr Val Gly Ala Ala Leu Leu Leu Asn Leu Leu Ala Gly Leu
 165 170 175
 Gly Ala Met Gly Ala Arg Arg Pro
 180

<210> 2251
 <211> 352
 <212> PRT
 <213> Homo sapiens

<400> 2251

Met Val Glu Ala Leu Arg Ala Gly Ser Ala Arg Leu Val Ala Ala Pro
1 5 10 15

Val Ala Thr Ala Asn Pro Ala Arg Cys Leu Ala Leu Asn Val Ser Leu
20 25 30

Arg Glu Trp Thr Ala Arg Tyr Gly Ala Ala Pro Ala Ala Pro Arg Cys
35 40 45

Asp Ala Leu Asp Gly Asp Ala Val Val Leu Leu Arg Ala Arg Asp Leu
50 55 60

Phe Asn Leu Ser Ala Pro Leu Ala Arg Pro Val Gly Thr Ser Leu Phe
65 70 75 80

Leu Gln Thr Ala Leu Arg Gly Trp Ala Val Gln Leu Leu Asp Leu Thr
85 90 95

Phe Ala Ala Ala Arg Gln Pro Pro Leu Ala Thr Ala His Ala Arg Trp
100 105 110

Lys Ala Glu Arg Glu Gly Arg Ala Arg Arg Ala Ala Leu Leu Arg Ala
115 120 125

Leu Gly Ile Arg Leu Val Ser Trp Glu Gly Gly Arg Leu Glu Trp Phe
130 135 140

Gly Cys Asn Lys Glu Thr Thr Arg Cys Phe Gly Thr Val Val Gly Asp
145 150 155 160

Thr Pro Ala Tyr Leu Tyr Glu Glu Arg Trp Thr Pro Pro Cys Cys Leu
165 170 175

Arg Ala Leu Arg Glu Thr Ala Arg Tyr Val Val Gly Val Leu Glu Ala
180 185 190

Ala Gly Val Arg Tyr Trp Leu Glu Gly Gly Ser Leu Leu Gly Ala Ala
195 200 205

Arg His Gly Asp Ile Ile Pro Trp Asp Tyr Asp Val Asp Leu Gly Ile
210 215 220

Tyr Leu Glu Asp Val Gly Asn Cys Glu Gln Leu Arg Gly Ala Glu Ala
225 230 235 240

Gly Ser Val Val Asp Glu Arg Gly Phe Val Trp Glu Lys Ala Val Glu
245 250 255

Gly Asp Phe Phe Arg Val Gln Tyr Ser Glu Ser Asn His Leu His Val
260 265 270

Asp Leu Trp Pro Phe Tyr Pro Arg Asn Gly Val Met Thr Lys Asp Thr
275 280 285

Trp Leu Asp His Arg Gln Asp Val Glu Phe Pro Glu His Phe Leu Gln
290 295 300

Pro Leu Val Pro Leu Pro Phe Ala Gly Phe Val Ala Gln Ala Pro Asn
305 310 315 320

Asn Tyr Arg Arg Phe Leu Glu Leu Lys Phe Gly Pro Gly Val Ile Glu
325 330 335

Asn Pro Gln Tyr Pro Asn Pro Ala Leu Leu Ser Leu Thr Gly Ser Gly
340 345 350

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<210> 2252
<211> 448
<212> PRT
<213> Homo sapiens
```

```
<400> 2252
Met Ala Trp Ala Ser Arg Leu Gly Leu Leu Leu Ala Leu Leu Leu Pro
 1           5           10           15
```

Val Val Gly Ala Ser Thr Pro Gly Thr Val Val Arg Leu Asn Lys Ala
20 25 30

Ala Leu Ser Tyr Val Ser Glu Ile Gly Lys Ala Pro Leu Gln Arg Ala
35 40 45

Leu Gln Val Thr Val Pro His Phe Leu Asp Trp Ser Gly Glu Ala Leu
50 55 60

Gln Pro Thr Arg Ile Arg Ile Leu Asn Val His Val Pro Arg Leu His
65 70 75 80

Leu Lys Phe Ile Ala Gly Phe Gly Val Arg Leu Leu Ala Ala Ala Asn
85 90 95

Phe Thr Phe Lys Val Phe Arg Ala Pro Glu Pro Leu Glu Leu Thr Leu
100 105 110

Pro Val Glu Leu Leu Ala Asp Thr Arg Val Thr Gln Ser Ser Ile Arg
115 120 125

Thr Pro Val Val Ser Ile Ser Ala Cys Ser Leu Phe Ser Gly His Ala
130 135 140

Asn Glu Phe Asp Gly Ser Asn Ser Thr Ser His Ala Leu Leu Val Leu
145 150 155 160

Val Gln Lys His Ile Lys Ala Val Leu Ser Asn Lys Leu Cys Leu Ser
165 170 175

Ile Ser Asn Leu Val Gln Gly Val Asn Val His Leu Gly Thr Leu Ile
180 185 190

Gly Leu Asn Pro Val Gly Pro Glu Ser Gln Ile Arg Tyr Ser Met Val
195 200 205

Ser Val Pro Thr Val Thr Ser Asp Tyr Ile Ser Leu Glu Val Asn Ala
210 215 220

Val	Leu	Phe	Leu	Leu	Gly	Lys	Pro	Ile	Ile	Leu	Pro	Thr	Asp	Ala	Thr	
225					230					235					240	
Pro	Phe	Val	Leu	Pro	Arg	His	Val	Gly	Thr	Glu	Gly	Ser	Met	Ala	Thr	
				245					250					255		
Val	Gly	Leu	Ser	Gln	Gln	Leu	Phe	Asp	Ser	Ala	Leu	Leu	Leu	Leu	Gln	
			260					265					270			
Lys	Ala	Gly	Ala	Leu	Asn	Leu	Asp	Ile	Thr	Gly	Gln	Leu	Arg	Ser	Asp	
		275					280					285				
Asp	Asn	Leu	Leu	Asn	Thr	Ser	Ala	Leu	Gly	Arg	Leu	Ile	Pro	Glu	Val	
	290					295					300					
Ala	Arg	Gln	Phe	Pro	Glu	Pro	Met	Pro	Val	Val	Leu	Lys	Val	Arg	Leu	
305					310					315					320	
Gly	Ala	Thr	Pro	Val	Ala	Met	Leu	His	Thr	Asn	Asn	Ala	Thr	Leu	Arg	
				325					330					335		
Leu	Gln	Pro	Phe	Val	Glu	Val	Leu	Ala	Thr	Ala	Ser	Asn	Ser	Ala	Phe	
				340				345					350			
Gln	Ser	Leu	Phe	Ser	Leu	Asp	Val	Val	Val	Asn	Leu	Arg	Leu	Gln	Leu	
		355					360					365				
Ser	Val	Ser	Lys	Val	Lys	Leu	Gln	Gly	Thr	Thr	Ser	Val	Leu	Gly	Asp	
	370					375					380					
Val	Gln	Leu	Thr	Val	Ala	Ser	Ser	Asn	Val	Gly	Phe	Ile	Asp	Thr	Asp	
385					390					395					400	
Gln	Val	Arg	Thr	Leu	Met	Gly	Thr	Val	Phe	Glu	Lys	Pro	Leu	Leu	Asp	
				405					410					415		
His	Leu	Asn	Ala	Leu	Leu	Ala	Met	Gly	Ile	Ala	Leu	Pro	Gly	Val	Val	
			420					425					430			
Asn	Leu	His	Tyr	Val	Pro	Leu	Arg	Ser	Leu	Ser	Met	Arg	Ala	Thr	Trp	
		435					440					445				

<210> 2253
 <211> 183
 <212> PRT
 <213> Homo sapiens

<400> 2253
 Met Glu Pro Glu Glu Gly Thr Pro Leu Trp Arg Leu Gln Lys Leu Pro
 1 5 10 15
 Ala Glu Leu Gly Pro Gln Leu Leu His Lys Ile Ile Asp Gly Ile Cys
 20 25 30
 Gly Arg Ala Tyr Pro Val Tyr Gln Asp Tyr His Thr Val Trp Glu Ser

<210> 2255
 <211> 251
 <212> PRT
 <213> Homo sapiens

<400> 2255
 Met Leu Phe His Tyr Asp Trp Ile Ser Ile Pro Leu Val Tyr Thr Gln
 1 5 10 15
 Val Val Thr Ile Ala Val Tyr Ser Phe Phe Ala Leu Ser Leu Val Gly
 20 25 30
 Arg Gln Phe Val Glu Pro Glu Ala Gly Ala Ala Lys Pro Gln Lys Leu
 35 40 45
 Leu Lys Pro Gly Gln Glu Pro Ala Pro Ala Leu Gly Asp Pro Asp Met
 50 55 60
 Tyr Val Pro Leu Thr Thr Leu Leu Gln Phe Phe Phe Tyr Ala Gly Trp
 65 70 75 80
 Leu Lys Val Ala Glu Gln Ile Ile Asn Pro Phe Gly Glu Asp Asp Asp
 85 90 95
 Asp Phe Glu Thr Asn Gln Leu Ile Asp Arg Asn Leu Gln Val Ser Leu
 100 105 110
 Leu Ser Val Asp Glu Met Tyr Gln Asn Leu Pro Pro Ala Glu Lys Asp
 115 120 125
 Gln Tyr Trp Asp Glu Asp Gln Pro Gln Pro Pro Tyr Thr Val Ala Thr
 130 135 140
 Ala Ala Glu Ser Leu Arg Pro Ser Phe Leu Gly Ser Thr Phe Asn Leu
 145 150 155 160
 Arg Met Ser Asp Asp Pro Glu Gln Ser Leu Gln Val Glu Ala Ser Pro
 165 170 175
 Gly Ser Gly Arg Pro Ala Pro Ala Ala Gln Thr Pro Leu Leu Gly Arg
 180 185 190
 Phe Leu Gly Val Gly Ala Pro Ser Pro Ala Ile Ser Leu Arg Asn Phe
 195 200 205
 Gly Arg Val Arg Gly Thr Pro Arg Pro Pro His Leu Leu Arg Phe Arg
 210 215 220
 Ala Glu Glu Gly Gly Asp Pro Glu Ala Ala Ala Arg Ile Glu Glu Glu
 225 230 235 240
 Ser Ala Glu Ser Gly Asp Glu Ala Leu Glu Pro
 245 250

<210> 2256

<211> 125
 <212> PRT
 <213> Homo sapiens

<400> 2256
 Met Arg Pro Gly Lys Lys Val Leu Val Met Gly Ile Val Asp Leu Asn
 1 5 10 15
 Pro Glu Ser Phe Ala Ile Ser Leu Thr Cys Gly Asp Ser Glu Asp Pro
 20 25 30
 Pro Ala Asp Val Ala Ile Glu Leu Lys Ala Val Phe Thr Asp Arg Gln
 35 40 45
 Leu Leu Arg Asn Ser Cys Ile Ser Gly Glu Arg Gly Glu Glu Gln Ser
 50 55 60
 Ala Ile Pro Tyr Phe Pro Phe Ile Pro Asp Gln Pro Phe Arg Val Glu
 65 70 75 80
 Ile Leu Cys Glu His Pro Arg Phe Arg Val Phe Val Asp Gly His Gln
 85 90 95
 Leu Phe Asp Phe Tyr His Arg Ile Gln Thr Leu Ser Ala Ile Asp Thr
 100 105 110
 Ile Lys Ile Asn Gly Asp Leu Gln Ile Thr Lys Leu Gly
 115 120 125

<210> 2257
 <211> 170
 <212> PRT
 <213> Homo sapiens

<400> 2257
 Met Ile Ser Ile His Asn Glu Glu Glu Asn Ala Phe Ile Leu Asp Thr
 1 5 10 15
 Leu Lys Lys Gln Trp Lys Gly Pro Asp Asp Ile Leu Leu Gly Met Phe
 20 25 30
 Tyr Asp Thr Asp Asp Ala Ser Phe Lys Trp Phe Asp Asn Ser Asn Met
 35 40 45
 Thr Phe Asp Lys Trp Thr Asp Gln Asp Asp Asp Glu Asp Leu Val Asp
 50 55 60
 Thr Cys Ala Phe Leu His Ile Lys Thr Gly Glu Trp Lys Lys Gly Asn
 65 70 75 80
 Cys Glu Val Ser Ser Val Glu Gly Thr Leu Cys Lys Thr Ala Ile Pro
 85 90 95
 Tyr Lys Arg Lys Tyr Leu Ser Asp Asn His Ile Leu Ile Ser Ala Leu
 100 105 110
 Val Ile Ala Ser Thr Val Ile Leu Thr Val Leu Gly Ala Ile Ile Trp
 115 120 125

Phe Leu Tyr Lys Lys His Ser Asp Ser Arg Phe Thr Thr Val Phe Ser
 130 135 140

Thr Ala Pro Gln Ser Pro Tyr Asn Glu Asp Cys Val Leu Val Val Gly
 145 150 155 160

Glu Glu Asn Glu Tyr Pro Val Gln Phe Asp
 165 170

<210> 2258

<211> 595

<212> PRT

<213> Homo sapiens

<400> 2258

Met Leu Leu Leu Leu Leu Leu Leu Pro Pro Leu Leu Cys Gly Arg Val
 1 5 10 15

Gly Ala Lys Glu Gln Lys Asp Tyr Leu Leu Thr Met Gln Lys Ser Val
 20 25 30

Thr Val Gln Glu Gly Leu Cys Val Ser Val Leu Cys Ser Phe Ser Tyr
 35 40 45

Pro Gln Asn Gly Trp Thr Ala Ser Asp Pro Val His Gly Tyr Trp Phe
 50 55 60

Arg Ala Gly Asp His Val Ser Arg Asn Ile Pro Val Ala Thr Asn Asn
 65 70 75 80

Pro Ala Arg Ala Val Gln Glu Glu Thr Arg Asp Arg Phe His Leu Leu
 85 90 95

Gly Asp Pro Gln Asn Lys Asp Cys Thr Leu Ser Ile Arg Asp Thr Arg
 100 105 110

Glu Ser Asp Ala Gly Thr Tyr Val Phe Cys Val Glu Arg Gly Asn Met
 115 120 125

Lys Trp Asn Tyr Lys Tyr Asp Gln Leu Ser Val Asn Val Thr Ala Ser
 130 135 140

Gln Asp Leu Leu Ser Arg Tyr Arg Leu Glu Val Pro Glu Ser Val Thr
 145 150 155 160

Val Gln Glu Gly Leu Cys Val Ser Val Pro Cys Ser Val Leu Tyr Pro
 165 170 175

His Tyr Asn Trp Thr Ala Ser Ser Pro Val Tyr Gly Ser Trp Phe Lys
 180 185 190

Glu Gly Ala Asp Ile Pro Trp Asp Ile Pro Val Ala Thr Asn Thr Pro
 195 200 205

Ser Gly Lys Val Gln Glu Asp Thr His Gly Arg Phe Leu Leu Leu Gly
 210 215 220

Asp	Pro	Gln	Thr	Asn	Asn	Cys	Ser	Leu	Ser	Ile	Arg	Asp	Ala	Arg	Lys	225	230	235	240
Gly	Asp	Ser	Gly	Lys	Tyr	Tyr	Phe	Gln	Val	Glu	Arg	Gly	Ser	Arg	Lys	245	250	255	
Trp	Asn	Tyr	Ile	Tyr	Asp	Lys	Leu	Ser	Val	His	Val	Thr	Ala	Leu	Thr	260	265	270	
His	Met	Pro	Thr	Phe	Ser	Ile	Pro	Gly	Thr	Leu	Glu	Ser	Gly	His	Pro	275	280	285	
Arg	Asn	Leu	Thr	Cys	Ser	Val	Pro	Trp	Ala	Cys	Glu	Gln	Gly	Thr	Pro	290	295	300	
Pro	Thr	Ile	Thr	Trp	Met	Gly	Ala	Ser	Val	Ser	Ser	Leu	Asp	Pro	Thr	305	310	315	320
Ile	Thr	Arg	Ser	Ser	Met	Leu	Ser	Leu	Ile	Pro	Gln	Pro	Gln	Asp	His	325	330	335	
Gly	Thr	Ser	Leu	Thr	Cys	Gln	Val	Thr	Leu	Pro	Gly	Ala	Gly	Val	Thr	340	345	350	
Met	Thr	Arg	Ala	Val	Arg	Leu	Asn	Ile	Ser	Tyr	Pro	Pro	Gln	Asn	Leu	355	360	365	
Thr	Met	Thr	Val	Phe	Gln	Gly	Asp	Gly	Thr	Ala	Ser	Thr	Thr	Leu	Arg	370	375	380	
Asn	Gly	Ser	Ala	Leu	Ser	Val	Leu	Glu	Gly	Gln	Ser	Leu	His	Leu	Val	385	390	395	400
Cys	Ala	Val	Asp	Ser	Asn	Pro	Pro	Ala	Arg	Leu	Ser	Trp	Thr	Trp	Gly	405	410	415	
Ser	Leu	Thr	Leu	Ser	Pro	Ser	Gln	Ser	Ser	Asn	Leu	Gly	Val	Leu	Glu	420	425	430	
Leu	Pro	Arg	Val	His	Val	Lys	Asp	Glu	Gly	Glu	Phe	Thr	Cys	Arg	Ala	435	440	445	
Gln	Asn	Pro	Leu	Gly	Ser	Gln	His	Ile	Ser	Leu	Ser	Leu	Ser	Leu	Gln	450	455	460	
Asn	Glu	Tyr	Thr	Gly	Lys	Met	Arg	Pro	Ile	Ser	Gly	Val	Thr	Leu	Gly	465	470	475	480
Ala	Phe	Gly	Gly	Ala	Gly	Ala	Thr	Ala	Leu	Val	Phe	Leu	Tyr	Phe	Cys	485	490	495	
Ile	Ile	Phe	Val	Val	Val	Arg	Ser	Cys	Arg	Lys	Lys	Ser	Ala	Arg	Pro	500	505	510	
Ala	Val	Gly	Val	Gly	Asp	Thr	Gly	Met	Glu	Asp	Ala	Asn	Ala	Val	Arg	515	520	525	
Gly	Ser	Ala	Ser	Gln	Gly	Pro	Leu	Ile	Glu	Ser	Pro	Ala	Asp	Asp	Ser	530	535	540	

Asn Ser Ser Ala Glu Gly Gly Arg Pro Gly Pro Ser Asp Ile Ala Ala
 210 215 220

Ser Ala Arg Thr Ala Ala Glu Gly Glu Gly Thr Leu Glu Ser Glu Pro
 225 230 235 240

Ala Val Gln Val Thr Glu Val Thr Ala Thr Ser Gly Leu Val Ser Trp
 245 250 255

Gly Pro Gly Arg Pro Ala Asp Pro Val Trp Met Phe Gln Ile Gln Tyr
 260 265 270

Asn Ser Ser Glu Asp Glu Thr Leu Ile Tyr Arg Ile Val Pro Ala Ser
 275 280 285

Ser His His Phe Leu Leu Lys His Leu Val Pro Gly Ala Asp Tyr Asp
 290 295 300

Leu Cys Leu Leu Ala Leu Ser Pro Ala Ala Gly Pro Ser Asp Leu Thr
 305 310 315 320

Ala Thr Arg Leu Leu Gly Cys Ala His Phe Ser Thr Leu Pro Ala Ser
 325 330 335

Pro Leu Cys His Ala Leu Gln Ala His Val Leu Gly Gly Thr Leu Thr
 340 345 350

Val Ala Val Gly Gly Val Leu Val Ala Ala Leu Leu Val Phe Thr Val
 355 360 365

Ala Leu Leu Val Arg Gly Arg Gly Ala Gly Asn Gly Arg Leu Pro Leu
 370 375 380

Lys Leu Ser His Val Gln Ser Gln Thr Asn Gly Gly Pro Ser Pro Thr
 385 390 395 400

Pro Lys Ala His Pro Pro Arg Ser Pro Pro Pro Arg Pro Gln Arg Ser
 405 410 415

Cys Ser Leu Asp Leu Gly Asp Ala Gly Cys Tyr Gly Tyr Ala Arg Arg
 420 425 430

Leu Gly Gly Ala Trp Ala Arg Arg Ser His Ser Val His Gly Gly Leu
 435 440 445

Leu Gly Ala Gly Cys Arg Gly Val Gly Gly Ser Ala Glu Arg Leu Glu
 450 455 460

Glu Ser Val Val
 465

<210> 2261
 <211> 86
 <212> PRT
 <213> Homo sapiens

<400> 2261

Val Glu Glu Asp Gly Lys Gly Lys Arg Lys Asn Glu Lys Ala Gly Ser
130 135 140

Lys Arg Lys Lys Ser Tyr Thr Ser Lys Lys Ser Ser Lys Gln Ser Arg
145 150 155 160

Lys Ser Pro Gly Asp Glu Asp Asp Lys Asp Cys Lys Glu Glu Glu Asn
165 170 175

Lys Ser Ser Ser Glu Gly Gly Asp Ala Gly Asn Asp Thr Arg Asn Thr
180 185 190

Thr Ser Asp Leu Gln Lys Thr Ser Glu Gly Thr
195 200

<210> 2265
<211> 253
<212> PRT
<213> Homo sapiens

<400> 2265
Met Arg Ser Gly Lys Met Ala Pro Lys Pro Gln Ser Arg Cys Thr Ser
1 5 10 15

Thr Arg Ser Ala Gly Glu Ala Pro Ser Glu Asn Gln Ser Pro Ser Lys
20 25 30

Gly Pro Glu Glu Ala Ser Ser Glu Val Gln Asp Thr Asn Glu Val His
35 40 45

Val Pro Gly Asp Gln Asp Glu Pro Gln Thr Leu Gly Lys Lys Gly Ser
50 55 60

Lys Asn Asn Ile Ser Val Tyr Met Thr Leu Asn Gln Lys Lys Ser Asp
65 70 75 80

Ser Ser Ser Ala Ser Val Cys Ser Ile Asp Ser Thr Asp Asp Leu Lys
85 90 95

Ser Ser Asn Ser Glu Cys Ser Ser Ser Glu Ser Phe Asp Phe Pro Pro
100 105 110

Gly Ser Met His Ala Pro Ser Thr Ser Ser Thr Ser Ser Ser Ser Lys
115 120 125

Glu Glu Lys Lys Leu Ser Asn Ser Leu Lys Met Lys Val Phe Ser Lys
130 135 140

Asn Val Ser Lys Cys Val Thr Pro Asp Gly Arg Thr Ile Cys Val Gly
145 150 155 160

Asp Ile Val Trp Ala Lys Ile Tyr Gly Phe Pro Trp Trp Pro Ala Arg
165 170 175

Ile Leu Thr Ile Thr Val Ser Arg Lys Asp Asn Gly Leu Leu Val Arg
180 185 190

Gln Glu Ala Arg Ile Ser Trp Phe Gly Ser Pro Thr Thr Ser Phe Leu

Lys Lys Lys Ala Pro Ser Ala Ser Asp Ser Asp Ser Lys Ala Asp Ser
 225 230 235 240
 Asp Gly Ala Lys Pro Glu Pro Val Ala Met Ala Arg Ser Ala Ser Ser
 245 250 255
 Ser Ser Ser Ser Ser Ser Ser Ser Asp Ser Asp Val Ser Val Lys Lys
 260 265 270
 Pro Pro Arg Gly Arg Lys Pro Thr Glu Lys Pro Leu Pro Lys Pro Arg
 275 280 285
 Gly Arg Lys Pro Lys Pro Glu Arg Pro Pro Ser Ser Ser Ser Ser Asp
 290 295 300
 Ser Asp Ser Asp Glu Val Asp Arg Ile Thr
 305 310

<210> 2267
 <211> 281
 <212> PRT
 <213> Homo sapiens

<400> 2267
 Met Gly Ser Arg Gly Gln Gly Leu Leu Leu Ala Tyr Cys Leu Leu Leu
 1 5 10 15
 Ala Phe Ala Ser Gly Leu Val Leu Ser Arg Val Pro His Val Gln Gly
 20 25 30
 Glu Gln Gln Glu Trp Glu Gly Thr Glu Glu Leu Pro Ser Pro Pro Asp
 35 40 45
 His Ala Glu Arg Ala Glu Glu Gln His Glu Lys Tyr Arg Pro Ser Gln
 50 55 60
 Asp Gln Gly Leu Pro Ala Ser Arg Cys Leu Arg Cys Cys Asp Pro Gly
 65 70 75 80
 Thr Ser Met Tyr Pro Ala Thr Ala Val Pro Gln Ile Asn Ile Thr Ile
 85 90 95
 Leu Lys Gly Glu Lys Gly Asp Arg Gly Asp Arg Gly Leu Gln Gly Lys
 100 105 110
 Tyr Gly Lys Thr Gly Ser Ala Gly Ala Arg Gly His Thr Gly Pro Lys
 115 120 125
 Gly Gln Lys Gly Ser Met Gly Ala Pro Gly Glu Arg Cys Lys Ser His
 130 135 140
 Tyr Ala Ala Phe Ser Val Gly Arg Lys Lys Pro Met His Ser Asn His
 145 150 155 160
 Tyr Tyr Gln Thr Val Ile Phe Asp Thr Glu Phe Val Asn Leu Tyr Asp
 165 170 175

His	Phe	Asn	Met	Phe	Thr	Gly	Lys	Phe	Tyr	Cys	Tyr	Val	Pro	Gly	Leu
			180					185					190		
Tyr	Phe	Phe	Ser	Leu	Asn	Val	His	Thr	Trp	Asn	Gln	Lys	Glu	Thr	Tyr
		195					200					205			
Leu	His	Ile	Met	Lys	Asn	Glu	Glu	Glu	Val	Ala	Ile	Leu	Phe	Ala	Gln
	210					215					220				
Val	Gly	Asp	Arg	Ser	Ile	Met	Gln	Ser	Gln	Ser	Leu	Met	Leu	Glu	Leu
225					230					235					240
Arg	Glu	Gln	Asp	Gln	Val	Trp	Val	Arg	Leu	Tyr	Lys	Gly	Glu	Arg	Glu
				245					250					255	
Asn	Ala	Ile	Phe	Ser	Glu	Glu	Leu	Asp	Thr	Tyr	Ile	Thr	Phe	Ser	Gly
			260					265					270		
Tyr	Leu	Val	Lys	His	Ala	Thr	Glu	Pro							
		275					280								